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# *Official Classification and Rules of Exhibit Department*



**THE LEWIS & CLARK CENTENNIAL  
PORTLAND — OREGON — 1905**

***June 1st to October 15th, 1905***

*Commemorating Exploration of the Oregon Country, 1805*



OFFICIAL CLASSIFICATION  
AND  
RULES OF EXHIBIT  
DEPARTMENT

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Lewis & Clark Centennial  
and American Pacific Exposition  
and Oriental Fair



PORTLAND, OREGON, U. S. A.  
JUNE 1ST TO OCTOBER 15TH, 1905

COMMEMORATING THE EXPLORATION OF THE  
OREGON COUNTRY, 1805

Approved:

H. W. GOODE,  
President

HENRY E. DOSCH,  
Director of Exhibits

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# CLASSIFICATION.

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## EDUCATION

### DEPARTMENT A

#### GROUP 1

##### ELEMENTARY EDUCATION

- Class 1. Kindergarten.
- Class 2. Elementary grades.
- Class 3. Training and certification of teachers.
- Class 4. Continuation schools, including evening schools, vacation schools and schools for special training.

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Legislation, organization, general statistics.  
School supervision and school management.  
Buildings: plans, models; school hygiene.  
Methods of instruction; results obtained.

#### GROUP 2

##### SECONDARY EDUCATION

- Class 5. High schools and academies; manual training high schools, commercial high schools.
- Class 6. Training and certification of teachers.

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Legislation, organization, statistics.  
Buildings: plans and models.  
Supervision, management, methods of instruction; results obtained.

### GROUP 3

#### HIGHER EDUCATION.

- Class 7. Colleges and universities.
- Class 8. Scientific, technical and engineering schools and institutions.
- Class 9. Professional schools.
- Class 10. Libraries.
- Class 11. Museums.

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Legislation, organization, statistics.

Buildings: plans and models.

Curriculums, regulations, methods, administration, investigations, etc.

### GROUP 4

#### SPECIAL EDUCATION IN FINE ARTS

(Institutions for teaching drawing, painting and music.)

- Class 12. Art schools and institutes.
- Class 13. Schools and departments of music; conservatories of music.

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Methods of instruction; results obtained.

Legislation, organization, general statistics.

### GROUP 5

#### SPECIAL EDUCATION IN AGRICULTURE.

- Class 14. Agricultural colleges and departments; experiment stations; instruction in forestry. (See Department H, Group 83.)

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Curriculums; experiments and investigations; results.

Methods of transportation and shipment.

Legislation, organization, general statistics.

Buildings: plans and models.

### GROUP 6

#### SPECIAL EDUCATION IN COMMERCE AND INDUSTRY.

- Class 15. Industrial and trade schools; evening industrial schools.
- Class 16. (a) Business and commercial schools.  
(b) Higher instruction in commerce.
- Class 17. Education of the Indian.
- Class 18. Education of the Negro.

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Legislation, organization, statistics.

Buildings: plans and models.

Methods of instruction; results.

## GROUP 7

### EDUCATION OF DEFECTIVES.

- Class 19. Institutions for the blind; publications for the blind.
- Class 20. Institutions for the deaf and dumb.
- Class 21. Institutions for the feeble minded.

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Management, methods, courses of study; results.  
Special appliances for instruction.  
Legislation, organization, statistics.  
Buildings: plans and models.

## GROUP 8

### SPECIAL FORMS OF EDUCATION—TEXT BOOKS—SCHOOL FURNITURE AND SCHOOL APPLIANCES.

- Class 22. Summer schools.
- Class 23. Extension courses; popular lectures and people's institutes; correspondence schools.
- Class 24. Scientific societies and associations; scientific expeditions and investigations.
- Class 25. Educational publications, text books, etc.
- Class 26. School furniture, school appliances.

# **ART.**

## **DEPARTMENT B**

(Open to works of United States and Foreign Artists, whether previously exhibited or not.)

### **GROUP 9**

#### **PAINTINGS AND DRAWINGS.**

- Class 27. Paintings on canvass, wood, metal, enamel, porcelain, faience, and on various preparations; by all direct methods in oil, wax, tempera, and other media; mural paintings; fresco painting on walls.
- Class 28. Drawings and cartoons in water color, pastel, chalk, charcoal, pencil and other media, on any material. Miniatures on ivory.

### **GROUP 10**

#### **ENGRAVINGS AND LITHOGRAPHS.**

- Class 29. Etchings and engravings in one or more colors. Autolithographs with pencil, crayon or brush.

### **GROUP 11**

#### **SCULPTURE**

- Class 30. Sculpture and bas-reliefs of figures and groups in marble, bronze or other metal; terra cotta, plaster, wood, ivory or other material.
- Class 31. Models in plaster and terra cotta.
- Class 32. Medals, engravings on gems, cameos and intaglios.
- Class 33. Carvings in stone, wood, ivory or other materials.

### **GROUP 12**

#### **ARCHITECTURE.**

- Class 34. Drawings, models and photographs of completed buildings.
- Class 35. Designs and projects of buildings. (Designs other than of architectural or constructive engineering.)
- Class 36. Drawings, models and photographs of artistic architectural details.
- Class 37. Mosaics; leaded and Mosaic glass.



## GROUP 13

### LOAN COLLECTION.

Selections of especially interesting art works of various kinds, from institutions and private collections (representing the various classes defined in the Department of Art.)

## GROUP 14

### ORIGINAL OBJECTS OF ART WORKMANSHIP.

- Class 38. Art work in glass (other than that which is included in Group 12, Class 37.)
- Class 39. Art work in earthenware; pottery or porcelain.
- Class 40. Art work in metal (other than that included in Group 11, Class 30.)
- Class 41. Art work in leather.
- Class 42. Art work in wood (other than that included in Group 11, Classes 30 and 33.)
- Class 43. Art work in textiles.
- Class 44. Artistic book-binding.
- Class 45. Art work not covered by any other group.

### WORKS INELIGIBLE.

The following will not be admitted:

- 1.—Copies; works resulting from industrial—mechanical—processes.
  - 2.—Pictures, drawings or engravings not framed.
  - 3.—Works of sculpture in unbaked clay.
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# LIBERAL ARTS.

## DEPARTMENT C

### GROUP 15

#### TYPOGRAPHY—VARIOUS PRINTING PROCESSES

(Equipment, processes and products.)

- Class 46. Machinery, presses and other apparatus used in typography, lithography, copper-plate printing, autography, engraving on stone, copper, zinc, aluminum, etc.
- Class 47. Machinery used for photo-mechanical printing.
- Class 48. Equipment, apparatus and products of type foundries, of stereotyping, electrotyping, etc.
- Class 49. Machines for setting and distributing type, casting type, etc.
- Class 50. Special equipment for printing bank notes, postage stamps, bonds, etc.
- Class 51. Typewriting machines and devices for duplication of copy, mimeograph, neostyle, etc.
- Class 52. Specimens in black and color typography, lithography, copper-plate printing and other methods of printing.
- Class 53. Specimens of engravings and drawings obtained, reproduced, enlarged or reduced by mechanical photographic processes.

### GROUP 16

#### PHOTOGRAPHY.

(Equipment, processes and products.)

- Class 54. Materials, instruments and apparatus of photography; equipment of photographic studios.
- Class 55. Negative and positive photography on glass, paper, wood, cloth, films, enamel, etc. Photogravure in intaglio and in relief; photocollography, photolithography. Steroscopic prints. Enlarged and micrographic photographs. Color photography. Direct, indirect, and photo-color printing. Scientific and other applications of photography. Artistic photography as applied to portraiture, landscapes, etc.

### GROUP 17

#### BOOKS AND PUBLICATIONS—BOOK BINDING.

(Equipment and products.)

- Class 56. Newspapers, reviews and other periodicals.
- Class 57. Collections of books, forming special libraries.

- Class 58. New books and new editions of old books.
- Class 59. Drawings, atlases, albums.
- Class 60. Musical publications.
- Class 61. Equipment, processes, and products of making stitched books and of book binding.
- Class 62. Specimens of bindings, stamping, embossing, gilding, etc.

## GROUP 18

### MAPS AND APPARATUS FOR GEOGRAPHY, COSMOGRAPHY, TOPOGRAPHY.

- Class 63. Maps, charts, and atlases; geographical, geological, hydrographical, astronomical, etc.
- Class 64. Physical maps of all kinds, topographical maps, flat or in relief.
- Class 65. Terrestrial and celestial globes; statistical works and tables.
- Class 66. Tables and nautical almanacs for the use of astronomers, surveyors, and seamen.

## GROUP 19

### INSTRUMENTS OF PRECISION, PHILOSOPHICAL APPARATUS, ETC.—COINS AND MEDALS

(Equipment, processes and products.)

- Class 67. Mathematic and scientific apparatus and instruments.
- Class 68. Apparatus and instruments for practical geometry, land surveying, topography, astronomy, and geodesy; compasses, levels, mariners' compasses; thermometers; barometers; calculating machines, cash registers, etc.
- Class 69. Apparatus and instruments for measuring, base apparatus, verniers, micrometer screws, dividing machines, sensitive balances for exact weighing, chronographs, astronomical clocks, chronometers, current meters, ships' logs, pedometers, odometers, etc.
- Class 70. Optical instruments; lenses and apparatus for making same; kinetoscopes, stereopticons, etc.; astronomical instruments; physical and meteorological instruments, etc. Instruments and apparatus for use in laboratories, lecture rooms and observatories; microscopes, etc.
- Class 71. Telescopic sights for artillery and small-arms. Military telescopes, range finders, heliotropes, etc.
- Class 72. Weights and measures of different countries.
- Class 73. Equipment for the manufacture of coins and medals. Appliances for weighing the metal, testing the standard of alloys, melting and casting, rolling, stamping out, milling, washing, verification of weight of coins, counting, striking, and checking them before delivery; equipment for the preparation of stamps and dies, coins and medals, treatises upon coins, economical, statistical, etc.

## GROUP 20

### MEDICINE AND SURGERY.

- Class 74. Appliances, instruments and apparatus for work in anatomy, histology and bacteriology; anatomical models; normal and pathological, histological and bacteriological preparations.
- Class 75. Apparatus for sterilizing instruments and appliances for dressing wounds, and for other purposes of sterilization.
- Class 76. Instruments for general and special medical research.
- Class 77. Instruments and apparatus for general, special and local surgery.
- Class 78. Appliances for dressing wounds.
- Class 79. Apparatus for plastic and mechanical prosthesis; orthopedic apparatus; apparatus for hernia; apparatus for medical gymnastics; material, instruments and apparatus for special therapeutics.
- Class 80. Instruments and apparatus used in the practice of dentistry; dental surgery, bridge and plate work, etc.
- Class 81. Appliances for the use of the infirm, of invalids, and of lunatics; artificial limbs, artificial eyes.
- Class 82. Chests and cases of instruments and medicines for the use of surgeons of the army and navy; appliances for rendering aid to the wounded on the field of battle; appliances for rendering aid in case of accident; ambulance service, etc.
- Class 83. Appliances for rendering aid to persons apparently drowned or asphyxiated.
- Class 84. Instruments and appliances for veterinary surgery.

## GROUP 21

### MUSICAL INSTRUMENTS

(Materials, processes and products.)

- Class 85. Materials and processes for manufacturing musical instruments; wind instruments in brass and wood; stringed instruments.
- Class 86. Wind instruments of metal or wood, having openings with or without keys, simple mouth piece, pipes or reeds, with or without reservoir of air.
- Class 87. Metal wind instruments, plain or with lengthening pieces, slides, pistons, keys or reeds.
- Class 88. Wind instruments with key-board; organs, accordions, etc.
- Class 89. Stringed instruments without key-board, played with the fingers or with a bow.
- Class 90. Stringed instruments with key-board; pianos, etc.
- Class 91. Instruments played by percussion or friction; drums and cymbals.
- Class 92. Automatic instruments; barrel organs, bird organs, musical boxes, mechanical piano and organ players, phonographs, etc.
- Class 93. Separate parts of musical instruments and orchestral appliances; strings for musical instruments.
- Class 94. Primitive, rude or strange instruments.
- Class 95. Musical scores.

## GROUP 22

### THEATRICAL APPLIANCES AND EQUIPMENT.

- Class 96. Interior equipment of theatres, and special furniture.
- Class 97. Arrangements for preventing and extinguishing fires.
- Class 98. Scenery; curtains, metallic curtains, gauzes, nets; colors, brushes, pallettes; cordage; special iron work; lighting; electrical apparatus, candelabra, colored screens; apparatus for imitating flame, smoke, lightning, fire-works; projections, spectres; phosphorescence.
- Class 99. Machinery; windlasses, drums, chests, traveling platforms, slides, trolleys, traps, counterweights, flies.
- Class 100. Costumes; special materials; printing on different materials, armor; jewelry; foot-gear; dancing shoes; wigs, beards, making-up; paints for making-up.
- Class 101. Properties; reproduction of various phenomena, such as thunder, hail, wind, snow, gun-firing; card-board work of all kinds; furniture made in perspective.

## GROUP 23

### CHEMICAL AND PHARMACEUTICAL ARTS.

(Equipment, processes and products.)

- Class 102. Laboratory apparatus and utensils; enameler's lamps, blow-pipes; presses, drying ovens, filters, electric furnaces.
- Class 103. Apparatus and instruments for making industrial and commercial analyses.
- Class 104. Equipment and processes used in the chemical treatment of animal substances, with their products; superphosphates, soaps, candles, glycerine.
- Class 105. Apparatus and processes for the production by electrolysis of hydrogen peroxide, chlorine, hydrochlorites, chlorates soda, bleaching materials, and various other chemicals.
- Class 106. Equipment and processes used in the manufacture of vegetable essences, varnishes, commercial rubber, substitutes for India rubber and articles of gutta percha.
- Class 107. Equipment and processes used in treating the mineral substances used for lighting, heating or lubrication; coal, shale, petroleum, ozocerite, etc.
- Class 108. Equipment and processes used in treating waste water from factories (by chemical or electrical methods) with a view of permitting their return to water courses.
- Class 109. Equipment for charcoal works and the production of various derivatives; methylated spirit, acetone, acetic acid, tar.
- Class 110. Apparatus and processes for the compression and liquefaction of gas. Liquefied gases.
- Class 111. Apparatus and processes for the manufacture of artificial textiles.

- Class 112. Appliances and processes used in the manufacture of pharmaceutical products.
- Class 113. Acids, alkalies, salts of every kind. Sea salt and products of the treatment of the mother waters.
- Class 114. Refined sulphur and derivatives from sulphur.
- Class 115. Equipment and processes used, and products obtained in the manufacture of phosphorus and matches.
- Class 116. Hydrogen peroxide; ozone.
- Class 117. Various products of chemical industries; tanning materials, waxes, essential oils, glue and gelatine; perfumes and extracts; disinfectants, various glazes, printing ink, blacking.
- Class 118. Commercial India rubber; gutta percha.
- Class 119. Dye stuffs, paints, pigments, varnishes and fillers.
- Class 120. By-products obtained from the treatment of mineral substances used for lighting, heating and lubrication. Refined petroleum and paraffine.
- Class 121. Products of charcoal burning.
- Class 122. Alcohols modified for industrial purposes.
- Class 123. Equipment and appliances for producing calcium carbide, and for the liberation and use of acetylene gas.
- Class 124. Artificial textile fabrics.
- Class 125. Raw materials of pharmacy; drugs, simple and compounded.
- Class 126. Explosives, pyrotechnics, bombs, signals; ammunition of all forms and types.

#### GROUP 24

##### MANUFACTURE OF PAPER.

(Raw materials, equipment, processes and products.)

- Class 127. Collections of raw materials used in the manufacture of paper and card-board.
- Class 128. Equipment and processes used in the manufacture of paper by hand.
- Class 129. Equipment and processes used in the manufacture of paper by machinery.
- Class 130. Apparatus and processes for the making of pulp; pulp from rags (sorting, picking, cutting, bolting, washing; lye-washing, rinsing and draining; beating; bleaching and washing; refining, sizing, coloring, loading, etc.); pulp from straw, from esparto (sorting, crushing, chopping, lye-washing; beating; bleaching, washing and draining, etc.); pulp produced chemically or semi-chemically from wood (cutting up; lye-washing; washing; reduction to pulp; bleaching, etc.), etc.
- Class 131. Machines for producing endless paper.
- Class 132. Apparatus for cutting, glazing, calendering, polishing.
- Class 133. Appliances and processes for manufacturing special papers.
- Class 134. Equipment and processes used for making card-board.
- Class 135. Fine papers and cheap papers for books; China paper, Japan paper, imitation Japan paper, vellum, paper made with animal size, etc. Paper for newspapers and posters. Paper for draw-

ings, for photography, for map-making. Paper for bank notes, parchment. Paper for correspondence; note paper, envelopes, etc. Cigarette and tissue papers, paper for confectionery, for artificial flowers. Packing and wrapping paper, waxed paper, oiled paper. Paper used in construction. Wall paper. Paper used in making fire-works and explosives. Telegraphy paper. Papier-mache, compressed paper. Mill boards, imitation of lacquer. Enameled paper. Card-boards of all kinds. Bituminous paper. Parchment paper for envelopes; blotting paper. Filter paper used in laboratories, breweries, etc.

## GROUP 25

### CIVIL AND MILITARY ENGINEERING.

- Class 136. Building materials (other than timber, materials extracted from quarries, metals and ceramic products); lime, cement, plaster, artificial stone, etc. Equipment and methods of production of these materials.
- Class 137. Methods of testing building materials, and apparatus used therefor.
- Class 138. Preparation of building materials; implements and methods used by stone cutters, masons, carpenters, slaters, joiners, locksmiths, plumbers, glaziers, painters, etc.
- Class 139. Equipment for and methods used in earth-work; hand tools, excavators, scrapers, barrows, dump-carts, service tracks, hand-carts, trucks, etc.
- Class 140. Military defenses and accessories; engineering material employed in the operations of an army.
- Class 141. Equipment for and methods used (other than pumps) for preparing foundations; piles, pile-drivers, screw-piles, pneumatic apparatus, caissons, diving apparatus, wire trams, etc.
- Class 142. Equipment for and methods of transporting and distributing materials, conveyors, elevators, pneumatic tubes.
- Class 143. Equipment and methods for the maintenance of roads, streets, promenades, etc.
- Class 144. Equipment, search lights, etc., for illuminating sea coasts, channels, mine-fields and beacons. Military and naval material for same.
- Class 145. Equipment for and methods used in distributing water and gas (not including gas meters.)
- Class 146. Equipment for and methods used in pneumatic telegraphy.

## GROUP 26

### MODELS, PLANS AND DESIGNS FOR PUBLIC WORKS

- Class 147. Roads and other public highways on land. Bridges and viaducts.
- Class 148. Inland navigation; improvement of rivers, construction of canals, dams; locks, lifts, ship railways, fixed bridges, or draw-

bridges, canal bridges, reservoirs and feeders; dredges, pile sinkers, pile drivers, current deflectors, scraping and water-jet devices for removing sand-bars, etc.; pumping stations, mechanical towing and warping; equipment used for the development of river ports.

- Class 149. Sea ports; general arrangements; piers, docks, jetties, basins, locks, bridges; equipment for development (not including shipping.)
- Class 150. Maritime canals.
- Class 151. Irrigating canals and systems.
- Class 152. Light houses and appurtenances; lamps; fixed, revolving and flash lights; beacons, buoys, fog bells, sirens, etc., for sea coasts, channels and harbors.
- Class 153. Protection against flooding by rivers or by sea; levees, dikes and sea walls.
- Class 154. Railways as regards plan and profile of the line, and engineering works, subways, elevated lines, tunnels, bridges, etc.
- Class 155. Construction and maintenance of streets in cities.
- Class 156. Water supply, sanitation and gas lighting of cities.
- Class 157. Statistics, maps and publications relative to public works.

## GROUP 27

### ARCHITECTURAL ENGINEERING.

- Class 158. Models and plans of public and commercial buildings; large and small dwelling houses, flats, apartment houses, etc.
- Class 159. Models, drawings and specifications for foundations, walls, partitions, floors, roofs and stairways, wood and metal framings, etc.
- Class 160. Designs and models of special contrivances for safety, comfort, and convenience in the manipulation of elevators, moving stairways, doors, windows, house signals, fire escapes, ventilators, etc.
- Class 161. Working plans for the trades, mason, carpenter, painter, etc., connected with building construction; designs and models of bonds, arches, coping, vaulting, etc.; plastering and construction of partitions; painting and glazing.



# MANUFACTURES.

## DEPARTMENT D

### GROUP 28

#### STATIONERY.

- Class 162. Equipment for and processes used in making or preparing stationery, account books, copy books, envelopes, bags, wrappers, etc.
- Class 163. Made-up paper and card-board; ruled, bordered or ornamented paper, note paper, envelopes, pockets, bags; school copy books, memorandum books, note books, letter-copying books, account books, book covers, letter files; menu cards, playing cards, paper boxes, cases; packages of cigarette papers, etc.
- Class 164. Desk furnishings, inks, pens, pencils, penholders, crayon holders, wax and wafers, paper weights, ink stands, letter presses, etc.
- Class 165. Artists' materials for painting, architecture, sculpture, pyrography and drawing; canvasses, panels, crayons, brushes, hair pencils, mathematical instruments for architects, etchers, engravers, burners, sculptors, tracing papers and cloths; parchments; colors, varnishes, charcoals, pastels, stumps, lay figures, easels; color boxes and other artists' materials not named above.

### GROUP 29

#### CUTLERY.

(Equipment, processes and products.)

- Class 166. Special equipment for the manufacture of cutlery, particularly for grinding and polishing.
- Class 167. Table cutlery, pocket knives, knives with fixed blades.
- Class 168. Cutlery for gardeners, for vine culture and for various trades.
- Class 169. Scissors and work-box accessories.
- Class 170. Razors of all kinds.
- Class 171. Fine hardware in polished steel.
- Class 172. Small silversmith's ware.
- Class 173. Side arms of all kinds.

## GROUP 30

### SILVERSMITH'S AND GOLDSMITH'S WARE.

(Appliances, processes and products.)

- Class 174. Special equipment for manufacture, hand tools; outfit for casting; machinery (lathes, scales, etc.); outfit for electroplating, etc. Methods of work.
- Class 175. Gold and silversmith's work for religious or common uses, in gold, silver, bronze or other metals; plated ware; articles gilt or silver-plated by any processes.
- Class 176. Enameled work; goldsmith's enamel; enamels painted upon metal.

## GROUP 31

### JEWELRY.

(Equipment, processes and products.)

- Class 177. Special equipment. Methods of work.
- Class 178. Fine jewelry.
- Class 179. Lapidary work; diamond cutting; cutting of gems; engraving on fine stones; engraving of hard cameos and of shells. (See Department B, Group 14.)
- Class 180. Gold and silver jewelry. Jewelry in platinum, aluminum, etc. Jewelry set with precious stones.
- Class 181. Imitation lapidary work. Imitation of precious stones, pearls, etc.
- Class 182. Gilt jewelry; imitation jewelry in copper and other metals; steel jewelry, mourning jewelry in jet and in glass; jewelry in coral; amber, mother-of-pearl, etc.

## GROUP 32\*

### CLOCK AND WATCH MAKING

(Equipment, processes and products.)

- Class 183. Special equipment for manufacturing clocks and watches; hand tools; machine tools (lathes and other tools); measuring instruments.
- Class 184. Preparation of various metals used by watch and clock makers. Separate parts of watch and clock work; springs; watch cases in precious or common metals; holes and fittings in rubies or other jewels; enameled or other dials, etc.
- Class 185. Clocks for churches and public buildings; time recorders.
- Class 186. Astronomical clocks. Marine chronometers.
- Class 187. Clocks moved by electricity, air or water.
- Class 188. Ornamental clocks and timekeepers; regulators; alarm clocks.
- Class 189. Watches; chronometers, watchmen's time registers.
- Class 190. Metronomes, pedometers, various recording instruments. Clepsydras and hour glasses.
- Class 191. Chimes connected with clock work.

**GROUP 33**

**PRODUCTIONS IN MARBLE, BRONZE, CAST IRON AND WROUGHT IRON.**

(Equipment, processes and products.)

- Class 192. Special equipment for manufacture; types of foundries; patterns and moulds; outfit for chasing and repousse work; processes for mechanical reduction.
- Class 193. Reproductions of works of art in marble, stone, plaster, terra cotta, wax, etc.
- Class 194. Art work and reproductions of art in metals.
- Class 195. Repousse, stamped and damascened metals.

**GROUP 34**

**BRUSHES, FINE LEATHER ARTICLES, FANCY ARTICLES AND BASKET WORK.**

(Equipment, processes and products.)

- Class 196. Equipment and methods used in the manufacture of brushes, fine leather articles, fancy articles and basket work.
- Class 197. Brushes; toilet brushes designated as fine brushes; brushes for household, harness and stable use, etc., designated as coarse brushes; brushes for artists and for house painting, designated as paint brushes; feather brushes; brooms; carpet sweepers.
- Class 198. Fine leather goods; dressing cases, traveling bags, scabbards, portemonnaies, portfolios, toilet cases, note books, cigar cases, small objects and fancy articles in skins; clasps for portemonnaies, and hand bags.
- Class 199. Fancy articles; work boxes and small fancy furniture, liquor cases, glove boxes, jewel cases; turned articles, engine turned, carved, engraved in ivory, tortoise shell, mother-of-pearl, etc.; pipes and smokers' articles, snuff boxes; toilet and other combs in ivory, tortoise shell, horn, celluloid, boxwood, etc.; various articles in lacquer work, small bronzes.
- Class 200. Basket work; baskets and hampers for common use, fancy baskets for confectioners, for household use, traveling, etc.; articles in grass.

**GROUP 35**

**ARTICLES FOR TRAVELING AND FOR CAMPING; INDIA RUBBER AND GUTTA PERCHA INDUSTRIES.**

- Class 201. Trunks, valises, bags, satchels, dressing and traveling cases; packing cases and boxes; shawl straps, etc. Locks and other fittings for trunks, valises, etc. Cushions. Alpenstocks, grapnels, parasols. Various requisites for travelers.
- Class 202. Portable equipment specially prepared for traveling and for scientific expeditions, outfits for geologists, mineralogists, naturalists, colonists, pioneers, explorers, etc.
- Class 203. Tents and accessories. Beds, hammocks, seats, folding chairs and other camp furniture and equipment.

- Class 204. Tents and furniture of military types.
- Class 205. Equipment and methods used in the manufacture of India rubber and gutta percha goods.
- Class 206. General products of the India rubber and gutta percha industries. Waterproof clothing and boots and shoes.

## GROUP 36

### TOYS.

- Class 207. Equipment and processes used in the manufacture of toys.
- Class 208. Playthings; dolls; talking dolls and accessories, playthings in metal, dolls' dinner and tea services, children's watches, mechanical toys, arms and equipment for children, musical instruments, dolls' furniture, horses, animals, carts, toys in India rubber and in gold beaters' skin, scientific and educational toys. Games.

## GROUP 37

### DECORATION AND FIXED FURNITURE OF BUILDINGS AND DWELLINGS.

#### Permanent Decoration of Public Buildings and of Dwellings.

- Class 209. Plans, drawings and models of permanent decoration.
- Class 210. Carpentry; models of frame work, roof work, vaults, domes, wooden partitions, etc.
- Class 211. Ornamental joiner work; doors, windows, panels, inlaid floors, organ cases, choir stalls, etc.
- Class 212. Permanent decorations in marble, stone, plaster, papier-mache, carton pierre, etc.
- Class 213. Ornamental carvings and pyrographics.
- Class 214. Iron work and locksmiths' work applied to decoration; grill work and doors in cast or wrought iron (See Department B, Group 14); doors and balustrades in bronze; roof decoration in lead, copper, zinc, dormers, spires, finials, vanes; crest and ridge work.
- Class 215. Decorative paintings on stone, wood, metal, canvas, or other surfaces. Signs of all varieties.
- Class 216. Mosaic decorations in stone or marble for flooring; enameled mosaic for walls and vaulted surfaces.
- Class 217. Various applications of ceramics to the permanent decoration of public buildings and dwellings.

## GROUP 38

### OFFICE AND HOUSEHOLD FURNITURE.

- Class 218. Sideboards, bookcases, tables, stands, beds, desks, files, cabinets, wardrobes, chiffoniers, chairs, billiard tables, etc. Settees, couches and lounges.

## GROUP 39

### STAINED GLASS.

- Class 219. Stained glass for churches, public buildings and private dwellings. Specimens of various kinds of glass used for decorative windows. Special enamels. Models of window tracery. (See Department B, Group 14.)

## GROUP 40

### MORTUARY MONUMENTS AND UNDERTAKERS' FURNISHINGS

- Class 220. Marble, stone and metal monuments; mausoleums and fittings.  
Class 221. Coffins, caskets and undertakers' furnishing goods.

## GROUP 41

### HARDWARE.

(Equipment, methods and products.)

- Class 222. Special tools, not included in the class of machine tools, used by smiths, farriers, bolt makers, screw cutters, wire drawers, nail makers, buckle makers, chain makers, copper-smiths, tin-smiths; edge tool makers, iron founders, ironmongers, lock-smiths, model makers, etc.
- Class 223. Hardware not otherwise provided for, made of plates, forgings, or castings. Pipe fittings, cocks, taps, etc.; bells; machine-made bronzes; shoes for horses and for other animals; flat-irons, etc.
- Class 224. Bolts, nuts and screws for wood or metal.
- Class 225. Products of nail making and wire drawing. Nails, brads, tacks, staples; wire; wire ropes, barbed wire, wire fencing, wire cloth, and wire gauze; wire springs.
- Class 226. Buckle making, and kindred industries; rings, hooks, hinges.
- Class 227. Chain making, and kindred industries.
- Class 228. Household utensils in metal.
- Class 229. Metal plates, flanged, stamped, decorated, perforated, etc.
- Class 230. Enameled plates and castings for buildings, household and general use.
- Class 231. Hollow ware, cast or pressed, plain, polished, japanned, enamelled, granitized or porcelain lined.
- Class 232. Tubes and pipe, drawn, welded or cast.
- Class 233. Sheet metal, stamped, spun, flanged, decorated, perforated; caps, buttons, eyelets, cans; lamp-shades, etc.
- Class 234. Products of exact and fine metal working; spectacle frames; fine springs.
- Class 235. Edge tools and other tools; scythes, sickles, pruning hooks; machetes; axes, adzes, hatchets; chisels, planes, boring tools, saws, hammers, files, etc.
- Class 236. Pulleys and pulley blocks.
- Class 237. Builders' and upholsterers' hardware; fittings and fastenings for doors, windows, etc.; casters, clamps, brackets, pulls, etc.
- Class 238. Safes, safety vaults and accessories; safe locks.

- Class 239. Metal work, cast, wrought, of wire; for stair railings, balusters, balconies, grill work, etc.
- Class 240. Metal work, plated, enameled, etc., for bedsteads, gas and electric light fixtures, store fixtures, cash carriers, etc.
- Class 241. Garden furniture and vases in metal.
- Class 242. Summer houses and pavilions in metal; bird cages, aviaries, awnings, verandas.
- Class 243. Metal shutters for windows, doors; screens and Venetian blinds.
- Class 244. Various products of exact rolling or of beating of gold, silver and tin; metallic foils.
- Class 245. Various products of gilding or plating with metals.
- Class 246. Galvanized, tinned or leaded sheet iron.
- Class 247. Builders' work in sheet metal.

## GROUP 42

### PAPER HANGING.

(Raw materials, equipment, processes and products.)

- Class 248. Special raw materials used in the manufacture of wall paper.
- Class 249. Machinery for printing wall paper and fancy papers. Machines for engraving printing rollers. Flat wood blocks or copper plates, engraved by hand. Drawing pens. Machines for varnishing, glazing, calendering, embossing, gilding, flocking, rolling and cutting.
- Class 250. Special brushes and cloths used in the laying of wall paper.
- Class 251. Stained papers, printed papers. Flocked, marbled, veined, gilt papers. Papers for book covers, binding, etc. Artistic paper. Enameled and glazed paper. Imitations of wood and of leather. Window shades painted or printed, and fixtures for.

## GROUP 43

### CARPETS, TAPESTRIES AND FABRICS FOR UPHOLSTERY

(Materials, equipment, methods and products.)

- Class 252. Special machinery for the manufacture of carpets and tapestry; high warp looms, low warp looms, bobbin-winders, etc.
- Class 253. Carpets, moquette, tapestry, brussels, or velvet. Felt carpets; rugs, mats, etc.
- Class 254. Furniture and wall coverings, materials in silk, wool, cotton, linen, jute, ramie, grass, plain, mixed, brocaded, printed, embroidered. Horse-hair cloths, vegetable leather, moleskin, etc. Leather for hangings and for covering furniture. (See Department B, Group 14.) Oilcloths and linoleum.

## GROUP 44

### UPHOLSTERERS' DECORATIONS.

- Class 255. Decoration for public and private festivals, for religious services, etc. Buntings, flags.
- Class 256. Bed furniture, upholstered chairs, canopies, curtains, hangings of cloth or tapestry; frames; framed mirrors, etc.

## GROUP 45

### CERAMICS.

(Raw materials, equipment, processes and products.)

- Class 257. Raw materials, particularly chemical products used in ceramic industrials. (See Department L, Group 116.)
- Class 258. Equipment and methods used in the manufacture of earthenware; machines for turning, pressing and moulding earthenware; machines for making brick, roofing tile, drain tile, and pottery for building purposes; furnaces, kilns, muffles, and baking apparatus; appliances for preparing and grinding enamels.
- Class 259. Various porcelains.
- Class 260. Biscuit of porcelain and of earthenware.
- Class 261. Earthenware of white or colored body, with transparent or tin glazes. Faience.
- Class 262. Earthenware and terra cotta for agricultural purposes; paving tiles, enameled lava.
- Class 263. Stoneware, plain and decorated.
- Class 264. Tiles, plain, encaustic and decorated; mosaics, bricks, paving bricks, pipes.
- Class 265. Fire-proof materials. (See Department L, Group 116.)
- Class 266. Statuettes, groups and ornaments in terra cotta.
- Class 267. Enamels applied to ceramics.
- Class 268. Mosaics of clay or of enamel.
- Class 269. Mural designs; borders for fire-places and mantels. (See Department B, Group 14.)

## GROUP 46

### PLUMBING AND SANITARY MATERIALS.

- Class 270. Sanitary earthenware; bathing apparatus and attachments, lavatory fittings, laundry tubs, basins, cocks, draws, etc.; sewerage apparatus, plumbers' appliances.

## GROUP 47

### GLASS AND CRYSTAL

(Raw materials, equipment, processes and products.)

- Class 271. Raw materials and particularly chemical products used in the manufacture of glass.
- Class 272. Equipment and processes used in the manufacture of glass and crystal; equipment for the preparation of raw materials; furnaces; blowing apparatus; moulds; lathes for engraving and shaping; apparatus for cutting and for casting, etc.
- Class 273. Window glass, white or colored, fluted, enameled, etc. Glass for photography. Curved glass.
- Class 274. Plate glass, rough or polished. Silvered glass. Glass for pavements. Mirrors for projections. Glass with surface in relief.
- Class 275. Table glass; glass or crystal, white or colored, cut or engraved; glassware and glass apparatus for scientific uses.

- Class 276. Ornamental glass.
- Class 277. Bottles.
- Class 278. Enamels; their application to glass.
- Class 279. Mosaics of glass.
- Class 280. Imitation precious stones.
- Class 281. Watch glasses; spectacle glasses.
- Class 282. Glass used for optical purposes.

#### GROUP 48

#### APPARATUS AND PROCESSES FOR HEATING AND VENTILATION

- Class 283. Heating by steam, hot water, hot air, and their combinations.
- Class 284. Methods of conveying and distributing steam, hot water and hot air used separately or in combination.
- Class 285. Stoves and furnaces peculiar to the various systems of heating.
- Class 286. Radiators of heat of all kinds and sizes. Steam or hot water boilers. Steam or hot water ranges. Hot air pipes. Hot air stoves.
- Class 287. Apparatus for household heating and for the preparation and cooking of food; kitchen utensils and miscellaneous articles for household uses. Stoves or chimneys, fixed or movable.
- Class 288. Apparatus for heating by petroleum or by gas.
- Class 289. Steam cooking ranges. Kitchen ranges of all kinds, stoves used at the same time for cooking food and for warming apartments. Stoves adapted to certain special forms of cooking. Stove apparatus, fixed or movable, used for preparing food or beverages in large quantities.
- Class 290. Natural ventilation; ventilation by exhaustion; ventilation by mechanical means and their combinations.
- Class 291. Plans and models of buildings heated and ventilated; public buildings, factories, dwelling houses.
- Class 292. Ventilators and displacers of air. Up-draft ventilators.
- Class 293. Methods for the direct renewal of air to warmed and ventilated apartments.
- Class 294. Ventilators operated by the wind or by difference of temperature.
- Class 295. Sanitation and ventilation of kitchens and small living rooms.
- Class 296. Accessories to heating and ventilation. Measuring and registering apparatus; thermometers, self-registering thermometers, pyrometers, anemometers, manometers for measuring low gas pressures, and for indicating the level of water in pipes; appliances for measuring the flow of steam through pipes; registering apparatus of every kind.
- Class 297. Thermostats; distributing and regulating apparatus; regulators of temperature; regulators of draught; regulators of pressure; automatic drip cocks and air cocks; cocks specially fitted for heating apparatus.
- Class 298. Chimney fittings. Dampers for chimneys; closing of flues; openings for hot air and ventilation. Gratings and plates. Metallic casings for heating apparatus; special sheet iron chimney pots.



- Class 299. Fireplace and chimney pottery. Stoves and chimneys in earthenware. Ornaments. Earthenware of every sort for the fireplace. Refractory materials for hearths, hot air stoves, linings and chimneys.
- Class 300. Hearth furniture; fire lighters; ash sifters; utensils for cleaning and repairing; accessories.

#### GROUP 49

##### APPARATUS AND METHODS, NOT ELECTRICAL, FOR LIGHTING

- Class 301. Lighting by means of vegetable or mineral oils (petroleum, shale, heavy oil, heavy oil sprayed, spirit); lamps, burners, wicks, lamp chimneys, etc.; apparatus for domestic, industrial and public lighting.
- Class 302. Lighting by gas; lamps, burners, chimneys, burners of flat flame. Argand burners, burners for recuperation, for carburizing, for incandescence, apparatus for domestic, industrial and public lighting.
- Class 303. Accessories to lighting; lighters, glasses, globes, shades, reflectors, screens, smoke consumers, etc.

#### GROUP 50

##### TEXTILES.

##### Materials and Processes for Spinning and Rope Making.

- Class 304. Machinery and apparatus used in preparing and spinning textile materials.
- Class 305. Apparatus used in subsequent operations; spooling, winding, twisting, throwing. Mechanical finishing of goods.
- Class 306. Detached parts of spinning machinery and special machines for their manufacture.
- Class 307. Apparatus for sorting, testing and registering. Apparatus for perfecting. Equipment for making cordage.

#### GROUP 51

##### EQUIPMENT AND PROCESSES USED IN THE MANUFACTURE OF TEXTILE FABRICS.

- Class 308. Apparatus used in operations preliminary to weaving; machines for warping, cop winders. Card preparing machines.
- Class 309. Hand and power looms for weaving plain cloths. Looms for weaving brocaded and embroidered fabrics, box looms.
- Class 310. Knitting machinery for hosiery. Machinery for making lace and tulle. Machinery for making trimmings.

## GROUP 52

### EQUIPMENT AND PROCESSES USED IN BLEACHING, DYEING, PRINTING AND FINISHING TEXTILES IN THEIR VARIOUS STAGES.

- Class 311. Apparatus for singeing, brushing and shearing textile fabrics.
- Class 312. Apparatus for washing in lye, scouring, washing, drying and moistening various textile materials, whether matted, combed, in thread or in the web.
- Class 313. Apparatus for boiling and straining dye stuffs and stuffs for thickening fabrics.
- Class 314. Equipment for engraving in relief or in incised work patterns for printing on textiles.
- Class 315. Machines for starching, dyeing or printing. Apparatus for steaming.
- Class 316. Machinery of all kinds for finishing goods; for fulling, and for teasing, tenterframes, calendars, machines for glazing, watering, embossing, beetling. Machines for measuring, folding, etc.
- Class 317. Appliances used for dyeing silks, for beating, shaking up, pinning out, lustering, etc.
- Class 318. Sweating boxes for thickening, apparatus for spotting, apparatus for bleaching by electricity.
- Class 319. Equipment and processes for laundry work. Treating with lye. Washing and rinsing, drying, ironing and finishing.
- Class 320. Industry of the dyers and scourers; dry cleaning by benzine and its derivatives; cleaning by wet process; dyeing, pressing.
- Class 321. Specimens of textile materials bleached or dyed before spinning.
- Class 322. Specimens of threads or yarns of cotton, linen, wool, silk, etc., pure or mixed, bleached, dyed or mottled.
- Class 323. Specimens of textile fabrics, bleached, dyed or printed.
- Class 324. Specimens of threads, yarns or fabrics which have been sized.
- Class 325. Specimens of chemical thickening of textile materials before they have been spun or woven.

## GROUP 53

### EQUIPMENT AND PROCESSES USED IN SEWING AND MAKING WEARING APPAREL

- Class 326. Common implements used in needle work.
- Class 327. Machines for cutting clothes, skins and leathers.
- Class 328. Machines for sewing, stitching, hemming, embroidering, etc.
- Class 329. Machines for making button-holes; for sewing gloves, leather boots and shoes, etc.; plaiting straw for hats.
- Class 330. Tailors' geese and flatirons.
- Class 331. Busts and figures for trying on garments.
- Class 332. Machines for preparing separate parts of boots and shoes (stamping, moulding, etc.)
- Class 333. Machines for lasting, pegging, screwing, nailing.
- Class 334. Machines for making hats of straw, felt, etc.

## GROUP 54

### THREADS AND FABRICS OF COTTON.

- Class 335. Cotton prepared and spun.
- Class 336. Fabrics of cotton, pure or mixed, plain or figured, unbleached dyed or printed
- Class 337. Cotton velvets.
- Class 338. Cotton ribbons.
- Class 339. Counterpanes.

## GROUP 55

### THREADS AND FABRICS OF FLAX, HEMP, ETC.; CORDAGE

- Class 340. Thread of flax, hemp, jute, ramie and other vegetable fibres.
- Class 341. Plain and figured canvas. Ticking. Damask linen. Cambrics and lawns. Plain and fancy handkerchiefs
- Class 342. Fabrics of flax or hemp, mixed with cotton or silk.
- Class 343. Fabrics of vegetable fibres other than cotton; flax, hemp, jute or ramie.
- Class 344. Cordage; cables, rope, twine, etc.

## GROUP 56

### YARNS AND FABRICS OF WOOL

- Class 345. Combed wool. Yarn of combed wool.
- Class 346. Carded wool. Rovings, unbleached or dyed. Yarn of carded wool.
- Class 347. Clothes of combed or carded wool.
- Class 348. Clothes for ladies' wear.
- Class 349. Dress goods of combed or carded wool; of wool mixed with cotton or silk.
- Class 350. Muslins delaine, tweeds, merinos, china-satins, serges, etc.
- Class 351. Fabrics of carded wool, not fullled or slightly fullled; flannels, tartans, molletons, etc.
- Class 352. Knitted stuffs in combed or carded wool.
- Class 353. Shawls of wool, pure or mixed. Cashmere shawls.
- Class 354. Ribbons and braids of wool, pure or mixed with cotton, flax, silk or floss silk.
- Class 355. Fabrics of hair, pure or mixed.
- Class 356. Blankets.
- Class 357. Felts of wool or hair for carpets, hats, boots and shoes, etc.

## GROUP 57

### SILK AND FABRICS OF SILK

- Class 358. Silk raw, thrown, twisted.
- Class 359. Floss silk and silk waste.
- Class 360. Threads of floss, silk and silk waste.
- Class 361. Artificial silks.

- Class 362. Fabrics of pure silk, silk floss, or silk waste, fabrics of silk or silk floss mixed with gold, silver, wool, cotton, thread, etc., plain, figured, or brocaded, unbleached, dyed or printed.
- Class 363. Velvets and plushes.
- Class 364. Ribbons of silk or silk floss, pure or mixed.
- Class 365. Shawls of silk or silk floss, pure or mixed.

#### GROUP 58

##### LACES, EMBROIDERY AND TRIMMINGS

- Class 366. Lace made by hand; laces, blond or guipure, wrought on pillow or with the needle or crochet, made of flax, cotton, silk, wool, gold, silver or other threads.
- Class 367. Laces made by machinery; tulles, plain or embroidered; imitation lace, blond and guipure, in thread of every kind.
- Class 368. Embroidery made by hand; embroidery by needle or crochet with thread of every kind, on all kinds of grounds (fabrics, net, tulle, skin, etc.), including needle work upon canvas as well as embroidery applique, or ornamented with gems, pearls, jet, spangles, of metal or other material, feathers, shells, etc.
- Class 369. Embroidery made by machinery, with the foundation preserved, or with the foundation cut or burned away.
- Class 370. Trimmings; galloons, lace or braids, fringes, tassels, all kinds of applique and ornamental work, hand made or woven, for millinery or garments, ecclesiastical vestments, civil or military uniforms; for furniture, saddlery, carriages, etc.; threads and plates of metal, gold or silver, real or imitation, spangles, chenilles, and all other articles used for trimmings.
- Class 371. Church embroidery; church ornaments and linen; altar-cloths, banners and other objects for religious ceremonies in fabrics ornamented with lace, embroideries and trimmings.
- Class 372. Curtains with lace, guipure, or embroidery, upon tulle or fabrics; blinds, screens, portieres, lambrequins, and other draperies, ornamented with lace, embroidery and trimmings.

#### GROUP 59

##### INDUSTRIES PRODUCING WEARING APPAREL FOR MEN, WOMEN AND CHILDREN

- Class 373. Clothing to measure for men and boys; ordinary costumes, suits for hunting and riding, leather breeches and similar articles, suits for gymnastic uses and games, military and civil uniforms, campaign clothing of special types, robes and costumes for magistrates, members of the bar, professors, ecclesiastics, etc., liveries, various costumes for children.
- Class 374. Clothing, ready made for men and boys.
- Class 375. Clothing to measure for women and girls; dresses, vests, jackets, cloaks (made by ladies' tailors, dress makers, or cloak makers), riding habits, sporting suits.
- Class 376. Clothing ready made for women and girls. Patterns.

## GROUP 60

### LEATHER, BOOTS AND SHOES, FURS AND SKINS, FUR CLOTHING.

- Class 377. Leather in every variety; tanned, curried, enameled, patent-leather, wash leather, etc.
- Class 378. Boots and shoes, for men, women and children, boots, bootees, shoes, slippers, pumps, overshoes, soles, accessories, etc.; gaiters.
- Class 379. Gloves.
- Class 380. Furs and skins dressed and tanned.
- Class 381. Fur clothing, caps, hats, hoods, gloves, boots, etc.
- Class 382. Fur mats and robes; fur trimmings.

## GROUP 61

### VARIOUS INDUSTRIES CONNECTED WITH CLOTHING

(Processes and products.)

- Class 383. Hats; hats of felt, wool, straw, silk; caps, trimmings for hats.
  - Class 384. Artificial flowers for dressing the hair, for dress, and for all other uses. Feathers. Millinery. Hair; coiffures, wigs, switches.
  - Class 385. Shirts and underclothing for men, women and children.
  - Class 386. Hosiery of cotton, wool, silk, and floss silk, etc., knitted hosiery; cravats and neck-ties.
  - Class 387. Corsets and corset-fitting.
  - Class 388. Elastic goods, suspenders, garters, belts.
  - Class 389. Canes, whips, riding whips, sun-shades, parasols, umbrellas.
  - Class 390. Buttons; buttons of china, metal, cloth, silk, mother-of-pearl or other shell, ivory-nut, horn, bone, papier-mache, etc.
  - Class 391. Buckles, eyelets, hooks and eyes, pins, needles, etc.
  - Class 392. Fans and handscreens.
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# MACHINERY.

## DEPARTMENT E

### GROUP 62

#### STEAM ENGINES

- Class 393. Appliances for boiler feeding, fuel economizers, steam jacketing, anti-scaling compounds, methods of purification of water. Feed water heaters, steam dryers, superheaters. Oil Extractors.
- Class 394. Boilers, stationary, semi-stationary, or portable. Steam-gauges, grate-bars, flue cleaners, packings, and fittings for boilers. Chimneys for boilers. Smoke consumers.
- Class 395. Transmission of steam; cocks, valves, traps, separators, condensers, joints, gaskets, piping and systems.
- Class 396. Engines, stationary, portable and semi-portable. Military traction engines. Valve gear. Regulators and governors. Apparatus for lubrication.
- Class 397. Engines moved by vapors other than steam.
- Class 398. Methods and apparatus for testing and registering steam engines, boilers and appliances.

### GROUP 63

#### VARIOUS MOTORS

- Class 399. Engines operated by heated air, gas, petroleum, alcohol, compressed or rarefied air, ammonia, carbonic acid gas. Parts and fittings; apparatus and systems for generating gas for such machines.
- Class 400. Hydraulic motors, wheels, turbines, water pressure engines, etc.
- Class 401. Wind mills and wind motors.
- Class 402. Horse powers; tumblers, spring, counter weight and pedal motors, etc.

### GROUP 64

#### GENERAL MACHINERY

- Class 403. Apparatus for the transmission of power, shafting, hangers, pedestals, guides, gears, clutches, pawls, and systems.
- Class 404. Pulleys, belts, cables and links for the transmission of power. Funicular systems.
- Class 405. Governors and speed regulators.
- Class 406. Lubricators, lubricants and systems.

- Class 407. Apparatus for measuring the work of machines, counters, recorders, speed indicators, dynamometers, pressure gauges.
- Class 408. Weighing machines. Testing machines. Meters for water or gas.
- Class 409. Machines for moving heavy bodies, cranes, lifts, conveyors, etc.
- Class 410. Machines for raising water, hand or steam pumps, norias, hydraulic rams, etc. Machines for sinking wells.
- Class 411. Fire engines and apparatus used by firemen.
- Class 412. Hydraulic presses and accumulators.
- Class 413. Water pipes and accessories.
- Class 414. Air and gas compressors and pipes.
- Class 415. Ventilators, blowers and systems.
- Class 416. Transmission and distribution of power at a distance by means of water, steam, air, or vacuum.
- Class 417. Apparatus and accessories for the prevention of accidents by machinery, and for the regulation of shop practice and economies therein.
- Class 418. Marine and deep water machinery, diving bells, diving apparatus

## GROUP 65

### MACHINE TOOLS

- Class 419. For working in metal; machines working by shock, compression, or tension; steam hammers, trip hammers, drop-forging and swaging machines; machines for cutting, shearing, punching, stamping, counter-sinking and shaping; rolls, draw benches, wire drawing machines; machines and presses for stretching, flanging, etc.; machines for bending, butting and welding; for riveting; for working plates (cutting, bending, rolling, edging, etc.). Methods of heating, annealing, tempering, cementing, welding, and brazing, in ordinary use. Tools used with the forge and with the above-named machines; anvils, beaked anvils, vises, hammers, shears, punches, dies, etc.; various compounds for metal tempering, welding, and cleaning.
- Class 420. Machines with cutting tools; lathes; machinery for drilling, boring, reaming and tapping; screw and bolt cutters; machines for planing, milling, slotting, grooving, etc. Drills, taps, dies, cutters, reamers, chucks and special tools and accessories.
- Class 421. Machines which have as tools such substances as grit, emery, or diamond; machines to grind, polish, sharpen; dressers. Grindstones, emery grinders, tools of carborundum and diamond. Accessories of these machines.
- Class 422. Equipment and tools for hand work; vises, files, graving tools, taps and dies, screw plates, etc.
- Class 423. Methods and equipment for setting out work, adjusting, checking, and testing; measuring tools and instruments of precision and for testing shapes and dimensions. Machine and forge-shop equipments.

- Class 424. For working in wood; saws for felling trees, dividing into logs, and appliances for trimming, handling and working timber. Machines for working lumber; for sawing, planing, turning, boring, moulding, mortising, tongueing, grooving, tenoning, shaping and carving; for bending and pressing; for sanding and polishing; for veneer-cutting and veneering. Nailing and wooden-bag and basket-making machinery.
- Class 425. Machine and hand tools especially fitted for working in wood. Knives, tools and appliances for wood-working machinery. Machine fittings.
- Class 426. Various machine tools not included in any other classification.

## GROUP 66

### ARSENAL TOOLS

- Class 427. Special machinery and tools used in the manufacture of arms for military and civilian use; arsenal tools; machines for forging and straightening barrels; special lathes for instantaneous reproductions; machines for finishing the interior boring of barrels, boring machines, machines for punching gun barrels; special machines for making wooden gun stocks; milling machines, machines for reproducing different parts of arms in steel; machines for polishing and finishing tempered pieces; materials and tools for manufacture of cartridges and ammunition for both military and sportsmen's use.



# **ELECTRICITY.**

## **DEPARTMENT F**

### **GROUP 67**

#### **MACHINES FOR GENERATING AND USING ELECTRICITY**

- Class 428. Apparatus for generating electricity; dynamos producing direct, simple, alternating or multiphase currents.
- Class 429. Motors for direct or alternating currents.
- Class 430. Modification of currents. Motor-generators. Rotary converters. Transformers.
- Class 431. Application to transportation; electric motors for railways and roadways. Methods of control of cars and trains.
- Class 432. Application to mechanical purposes; elevators, winches, cranes, capstans, transfer tables, printing presses, machine tools, traveling cranes, fans.
- Class 433. Appliances and methods for the distribution of electric energy; conduits, cables, bonds, tools, wires, switches, insulators, insulating materials, lightning arresters, circuit breakers, rheostats, and complete switch-boards, etc.

### **GROUP 68**

#### **ELECTRO-CHEMISTRY**

- Class 434. Primary batteries. Accumulators.
- Class 435. Electrolytic appliances and processes. Reduction of ores. Electro-plating. Electrotyping.
- Class 436. Electro-thermic appliances and processes. Production and refining of metals or alloys.
- Class 437. Application to industrial chemistry; bleaching; disinfection of sewerage water; manufacture of soda, chlorine, chlorate of potash, etc.

### **GROUP 69**

#### **ELECTRIC LIGHTING**

- Class 438. Use of continuous or alternating currents. Arc lamps. Regulators. Carbons for lamps. Incandescent lamps. Other forms of lamps.
- Class 439. Complete installations. Factories, public buildings, dwelling houses, central stations, etc.
- Class 440. Application to lighthouses, navigation, military service, public works, etc.

- Class 441. Photometry. Apparatus for determining the intensity, the distribution and illuminating power of light.
- Class 442. Electric appliances. Apparatus for safety and regulation; conduits,; junction boxes, switches, lamp cords and interior wires, cabinets, cut-outs, time and automatic devices, sockets, fixtures, etc.

#### GROUP 70

##### TELEGRAPHY AND TELEPHONY

- Class 443. Telegraphic instruments, transmitters and receivers. Recording apparatus, multiplex apparatus, synchronous apparatus, wireless apparatus, electrographs, etc.
- Class 444. Telephones, transmitting and receiving apparatus, instruments, switchboards, ringing generators, pole changers, etc., and complete exchanges.
- Class 445. Telegraph and telephone wires and cables. Overhead, subterranean and submarine construction; materials and appliances.

#### GROUP 71

##### VARIOUS APPLICATIONS OF ELECTRICITY

- Class 446. Scientific apparatus, induction coils, static machines, X-ray apparatus, galvanometers, measuring apparatus, etc. Laboratory standards. Indicators and recording apparatus for natural phenomena.
- Class 447. Electricity as applied in therapeutics, surgery and dentistry.
- Class 448. Electrical signals. Application of electricity to railways, mines, public works and buildings. Thermostats, clocks, annunciators, chronographs, alarms. Electric sign mechanism, etc.
- Class 449. Methods of measurement. Instruments; indicating, recording and integrating.
- Class 450. Apparatus for heating by electricity. Cooking apparatus, furnaces, high temperature ovens. Electric welding.
- Class 451. Progress and development in electrical science and invention. Historical and statistical exhibits. Instruments, machines, models, drawings and publications.

# **TRANSPORTATION EXHIBITS.**

## **DEPARTMENT G**

### **GROUP 72**

#### **CARRIAGES AND WHEELWRIGHTS' WORK—AUTOMOBILES AND CYCLES**

- Class 452. Pleasure carriages and sleighs, sedan chairs.
- Class 453. Public carriages; ambulances; hearses; carriages for invalids and infants.
- Class 454. Carts and wagons for all purposes; trucks and drays.
- Class 455. Vehicles driven by mechanical motors. Motorcycles; automobiles.
- Class 456. Bicycles. Velocipedes.
- Class 457. Detached parts, material and inventions pertaining to carriage building, wheelwright's work, automobiles, or cycles.

### **GROUP 73**

#### **SADDLERY AND HARNESS**

- Class 458. Equipment for horses or other animals, attached to carriages, mounted, or in the stable. Harness for pleasure carriages, saddles, bridles; harness for public service or for draught. Parts of harness, materials, and inventions pertaining to saddlery and harness making. Military equipment.

### **GROUP 74**

#### **RAILWAYS: YARDS, STATIONS, FREIGHT HOUSES, TERMINAL FACILITIES OF ALL KINDS**

- Class 459. Railways of standard or narrow gauge. Permanent way, grading, ballast, bridges, tunnels, etc., and all machinery and appliances used in constructing the same; ties, spikes, chairs, fish-plates, and other parts of the track; switches and crossings; transfer tables, turn tables and bridges; weighing apparatus, gauges and accessories; signal systems and apparatus for securing the safety of traffic water supply; protection against snow; track repairers' tools.
- Class 460. Rolling stock: locomotives, tenders, passenger coaches, sleeping, compartment, parlor and buffet cars; freight and service cars; armored trains; separate parts of above; car heating and lighting; automatic brakes; train signaling apparatus; engine houses; shops for construction and repairs; snow plows; apparatus for taking various observations; dynamometers, self-registering apparatus; laboratories.

- Class 461. Management: time tables, distribution of rolling stock; cleaning and disinfection; signaling of trainmen, and various systems for assuring the safety of traffic; passenger department, tickets, ticket cases, posters, tariffs; freight department, tariffs; methods and equipment for checking and handling baggage and freight.
- Class 462. Other railway systems. Rack, cable, elevated, aerial, sliding railways; movable platforms, permanent way; motive power or motors; rolling stock.
- Class 463. Traction railways, intramural, suburban, industrial, etc. Various types of tracks upon different kinds of roads; switches and crossings; turn tables: implements for track laying, cleaning, etc.
- Class 464. Cars drawn by animals; locomotives and automobile vehicles; rolling stock for street railways operated by mechanical traction; braking appliances; equipment for using stored power (hot water, compressed air, electricity, etc.)
- Class 465. Special methods of transportation similar to railways. Transportation of ships over railways.
- Class 466. Bibliography, statistics, special maps, and various publications relative to railways.

#### GROUP 75

#### MATERIAL AND EQUIPMENT USED IN THE MERCANTILE MARINE

- Class 467. Raw material and material specially used in the construction and fitting out of ships and boats.
- Class 468. Special tools and implements used in ship-building yards and in marine engine works.
- Class 469. Drawings and models of all kinds of vessels or boats for navigating seas or rivers. Illustrations showing the arrangement of such vessels or boats. Launches and small crafts propelled by machinery, by wind, or by oars. Drawings and models of tugs and tow boats.
- Class 470. Motive power for vessels and boats (drawings, models and specimens.) Boilers, water heaters, evaporators, recuperators, filters for feed water; engines, condensers, propellers, machinery auxiliary to main engines, pumps, governors, indicators of speed and direction, engine counters, etc. Arrangement for the prevention of fires in holds, store rooms and passages. Engines for loading and unloading merchandise.
- Class 471. Equipment; winches, tackle, chains, anchors, hawsers, cables etc. Steering apparatus, order transmitters, machinery for working sails, ship's lights and signals, fresh water condensers, apparatus for lighting, heating, supplying air and ventilation. Special apparatus for the generation and use of electricity, freezing apparatus, special instruments for determining position and time, flags and signals, furniture, etc.

- Class 472. Pleasure craft; yachts and steam or sail boats, row boats, outriggers, skiffs, etc., and their accessories (drawings, models and specimens).
- Class 473. Submarine navigation.
- Class 474. Equipment for the saving of lives and vessels at sea, boats, line carriers, lines, traversers, safety belts and jackets, etc. Humane societies. Spreading of oil upon the sea. Equipment for raising wreckage, and for submarine operations for saving sunken material.
- Class 475. Swimming.
- Class 476. Statistics, special charts and publications relative to navigation for commerce or for pleasure.

#### GROUP 76

#### MATERIAL AND EQUIPMENT OF NAVAL SERVICES; NAVAL WARFARE

- Class 477. War ships and public vessels of special character. Models, designs, drawings, descriptions, specifications, photographs, paintings, etc.
- Class 478. Material used in the construction and fitting out of ships-of-war and public craft; deck and engine-room outfits; signal gear; naval furniture; electrical equipment installed with reference to battle conditions; safety appliances.
- Class 479. Motive power for government vessels.
- Class 480. Marine ordnance equipment, adjuncts, accessories and appliances; torpedoes, fixed, dirigible and automobile; naval pyrotechnics.

#### GROUP 77

#### AERIAL NAVIGATION

- Class 481. Balloon construction; fabrics, varnishes, cars, valves, netting, cordage; appliances for stopping balloons, anchors, grapnels. Generation of hydrogen and of other light gases. Captive balloons.
- Class 482. Aerial voyages; use of balloons for the study of the atmosphere, air currents, clouds, temperature at great height; optical phenomena, etc. Drawings, maps of journeys, diagrams, photographs.
- Class 483. Military ballooning; military captive balloons and their accessories; winding drums, transport wagons; apparatus for inflation.
- Class 484. Aerial navigation: dirigible balloons and guiding apparatus; flying machines; screw propellers; aeroplanes and parachutes.

# AGRICULTURE.

## DEPARTMENT H

### GROUP 78

#### FARM EQUIPMENT—METHODS OF IMPROVING LANDS

- Class 485. Specimens of various systems of farming.
- Class 486. Plans and models of farm buildings; general arrangement; stables, sheep-folds, barns, pig-styes, breeding grounds; special arrangements for breeding and fattening cattle; granaries and silos; furniture for stables, barns, kennels, etc.
- Class 487. Material and appliances used in agricultural engineering; reclaiming of marches; drainage; irrigation.

### GROUP 79

#### AGRICULTURAL IMPLEMENTS AND FARM MACHINERY

- Class 488. Implements, machines and appliances for preparation: brushes, hooks, mattocks, grubbing hoes, etc.; stalk cutters, stalk rakes, etc. Saws for felling trees, cutting wood, etc.; spades, shovels, hand plows, etc.; walking plows, sulky plows, gang plows, etc.; rakes, rollers, harrows, clod crushers, etc.
- Class 489. Implements, machines and appliances for seeding; corn planters, seed drills, cotton planters, grain drills, broadcast seeders, etc.
- Class 490. Implements, machines and appliances for cultivation: hoes, rakes, cultivators, horse hoes, riding cultivators, cultivators propelled by steam or electricity.
- Class 491. Implements, machines and appliances for harvesting: sickles, scythes, grain cradles, reapers, headers, mowers, corn harvesters, potato diggers, combined reapers and threshers propelled by animals, by steam or by electricity. Machines and implements for threshing and cleaning: fanning mills, threshers and separators, clover hullers, threshers and separators with stationary or traction engines; wind-stackers; fodder shock compressors, bunchers, etc. (See Department D, Group 41.)
- Class 492. Miscellaneous: feed cutters, feed grinders, cider mills, machines for ginning and baling cotton, sheep shearing machines, farm wagons and carts, corn shellers; wind mills, pumps, tanks; machines for use on farms for grinding, weighing, etc.
- Class 493. Portable agricultural machines, engines, horse powers; agricultural machinery moved by animals, wind, water, steam or electricity.
- Class 494. Apparatus for preparing food for animals.

## GROUP 80

### FERTILIZERS

- Class 495. Preparation and preservation of manures. Commercial fertilizers. Use of sewage.

## GROUP 81

### TOBACCO

(Equipment, processes and products.)

- Class 496. Tobacco culture; raw materials in stalk, leaf and seed.  
Class 497. Equipment for manufacture. Construction of tobacco factories.  
Class 498. Laboratory appliances.  
Class 499. Manufactured products.

## GROUP 82

### APPLIANCES AND METHODS USED IN AGRICULTURAL INDUSTRIES

- Class 500. Types of agricultural factories connected with farming; dairies; creameries; cheese factories; starch factories; etc.  
Class 501. Oil mills. Margarin factories.  
Class 502. Workshops for the preparation of textile fibers.  
Class 503. Equipment for the breeding of birds and for the artificial hatching and fattening of poultry.  
Class 504. Market gardening. Buildings and appliances for growing, gathering, packing and marketing vegetables.

## GROUP 83

### THEORY OF AGRICULTURE—AGRICULTURAL STATISTICS

- Class 505. Studies relating to soil and water from an agricultural point of view.  
Class 506. Agronomic charts, climate charts, various agricultural charts. Registers of land tenures.  
Class 507. Rural population. Division of cultivated territory. Yield and returns. Census of farm animals.  
Class 508. Progress, especially since 1893. History of agriculture in its successive changes. History of fluctuations in prices of land, rents, labor, livestock, crops and animal products.  
Class 509. Institutions for the promotion and advancement of agriculture. Products of experiment stations and laboratories. (See Department A, Group 5). Societies, agricultural communities and associations. Loans on land. Agricultural insurance.  
Class 510. Legislative and administrative measures.  
Class 511. Books, papers, statistics, diagrams, periodical publications.

#### GROUP 84

##### VEGETABLE FOOD PRODUCTS—AGRICULTURAL SEEDS

- Class 512. Cereals: wheat, rye, barley, maize, millet, and other cereals in sheaves or in grain.
- Class 513. Legumes and their seeds: beans, peas, lentils, etc.
- Class 514. Tubers and roots and their seeds; potatoes, beets, carrots, turnips, radishes, etc.
- Class 515. Miscellaneous vegetables and their seeds: cabbages, peppers, artichokes, mushrooms, cresses, etc.
- Class 516. Sugar producing plants: beets, cane, sorghum, etc.
- Class 517. Miscellaneous plants and their products: coffee, tea, cocoa, etc.
- Class 518. Oil producing plants and their products.
- Class 519. Forage, growing, green, cured or in silos; fodder for cattle; forage, grass and field seeds.

#### GROUP 85

##### ANIMAL FOOD PRODUCTS

- Class 520. Refrigerated fresh meats, poultry, game, and fish; edible animal fats and oils.
- Class 521. Milk and cream, fresh or condensed; sterilized milk.
- Class 522. Butter, in all its forms.
- Class 523. Cheese, in all its forms.
- Class 524. Eggs.
- Class 525. Dairy fittings and appliances, churns, butter workers, cans, pails, cheese-presses, vats, separators, testers, pasteurizers, etc., including all fittings and appliances for the preparation, preservation, transportation, distribution and delivery of milk for the supply of cities and towns.

#### GROUP 86

##### EQUIPMENT AND METHODS EMPLOYED IN THE PREPARATION OF FOODS

- Class 526. Flour mills. Factories for the production of glucose and starch.
- Class 527. Manufacture of food pastes.
- Class 528. Bakeries: kneading machines, mechanical ovens. Manufacture of ship biscuit.
- Class 529. Pastry works.
- Class 530. Manufacture and preservation of ice. Freezing machines and appliances. Refrigerators.
- Class 531. Equipment and methods used for preserving fresh meats, game, fish, etc.
- Class 532. Factories for canning meat, fish, vegetables and fruit.
- Class 533. Sugar manufactories and refineries.
- Class 534. Manufacture of chocolate and confectioneries.
- Class 535. Preparation of ices and sherbets.
- Class 536. Decortication and roasting of coffee.
- Class 537. Vinegar works.
- Class 538. Distilleries; distillers' machinery.
- Class 539. Breweries; brewers' machinery.
- Class 540. Manufacture of aerated waters: bottling works and machinery.
- Class 541. Various industries for the preparation of foods.



## GROUP 87

### FARINACEOUS PRODUCTS AND THEIR DERIVATIVES

- Class 542. Flour from cereals; grain from which the hulls have been removed, groats, potato starch, rice flour, flour from lentils or beans, gluten; prepared cereals.
- Class 543. Tapioca, sago, arrowroot, various starches. Mixed farinaceous products.
- Class 544. Italian pastes: semolina, vermicelli, macaroni, noodles, infants' food, home-made pastes.

## GROUP 88

### BREAD AND PASTRY

- Class 545. Breads, with or without yeast, fancy breads, and breads in moulds, compressed breads for travelers, military campaigns, etc. Ship biscuits. Yeasts. Baking powders.
- Class 546. Pastry of various kinds peculiar to each country. Ginger bread and dry cakes for keeping.

## GROUP 89

### PRESERVED MEAT, FISH, VEGETABLES AND FRUIT

- Class 547. Meat preserved by any process. Salted meats, canned meats. Meat and soup tablets. Meat extracts. Various pork products.
- Class 548. Fish preserved by any process. Salt fish, fish in barrels, cod, herring, etc. Fish preserved in oil; tunny, sardines, anchovies.
- Class 549. Canned lobsters, canned oysters, canned shrimps.
- Class 550. Vegetables preserved by various processes.
- Class 551. Fruits dried or prepared, prunes, figs, raisins, dates.
- Class 552. Fruits preserved without sugar.
- Class 553. Fruits, canned, in tins or in glass.
- Class 554. Army and navy commissary stores and equipment.

## GROUP 90

### SUGAR AND CONFECTIONERY—CONDIMENTS AND RELISHES

- Class 555. Sugar. Glucose.
- Class 556. Confectionery. Chocolate.
- Class 557. Brandied fruits, preserves, jellies.
- Class 558. Coffee, tea, substitutes for coffee; mate, chicory and sweet acorns.
- Class 559. Vinegar.
- Class 560. Table salt.
- Class 561. Spices and extracts; pepper, cinnamon, allspice, etc.; flavoring extracts.
- Class 562. Mixed condiments and relishes; mustard, curries, sauces, etc.

## GROUP 91

### WATERS

- Class 563. Artificial aerated, carbonated or mineral waters, ginger ale, etc. Soda fountains; carbonating machinery, apparatus and fixtures; filters and methods of purifying water for home use.

## GROUP 92

### WINES AND BRANDIES

- Class 564. Ordinary wines, red and white, sherry, maderia, port, etc.  
Class 565. Sweet wines, and boiled wines. Unfermented grape-juice.  
Class 566. Sparkling wines.  
Class 567. Brandies.

## GROUP 93

### SYRUPS AND LIQUEURS—DISTILLED SPIRITS—COMMERCIAL ALCOHOL

- Class 568. Syrups and sweet liqueurs; anisette, curacoa, ratafia, benedictine, chartreuse, etc.  
Class 569. Aperients having alcohol or wine as a base; absinthe, bitters; vermouth, myrrh, etc.  
Class 570. Commercial alcohols; alcohol made from beets, molasses, grains, potatoes, etc.  
Class 571. Various distilled spirits, whiskey, gin, rum, vodka, kirschwasser, etc.

## GROUP 94

### FERMENTED BEVERAGES

- Class 572. Cider and perry. Ale, beer, porter and other malt liquors. Pulque. Koumiss and fermented drinks of every kind.

## GROUP 95

### INEDIBLE AGRICULTURAL PRODUCTS

- Class 573. Textile plants; cotton, flax and hemp in the straw, scutched or unscutched, ramie, phormium, tenax, vegetable fibers of all kinds.  
Class 574. Oil producing plants, in stalk or in seed, cotton, flax, rape, etc.  
Class 575. Non-edible fats and oils.  
Class 576. Plants containing tannin; weeds and noxious plants.  
Class 577. Plants containing dyes; medicinal plants.  
Class 578. Hops, teasels, broomcorn, etc.  
Class 579. Wool, raw, washed or unwashed.  
Class 580. Packing house by-products.  
Class 581. Feathers, down, hair and bristles, etc.

## GROUP 96

### INSECTS AND THEIR PRODUCTS—PLANT DISEASES

- Class 582. Systematic collection of insects.
- Class 583. Bees. Silkworms and other bombycids. Cochineal insects.
- Class 584. Systematic collections of vegetable parasites of plants and animals.
- Class 585. Appliances for rearing and keeping bees and silkworms. Their products. Honey, wax, cocoons.
- Class 586. Appliances and processes for destroying plant diseases and injurious insects.

## LIVE STOCK

### GROUP 97

#### HORSES AND MULES

- Class 587. Draft horses.
- Class 588. Coach horses.
- Class 589. Trotting horses.
- Class 590. Thoroughbred horses.
- Class 591. Saddle horses.
- Class 592. Hunters.
- Class 593. Ponies.
- Class 594. Jacks and jennets.
- Class 595. Mules.
- Class 596. Literature and statistics.

### GROUP 98

#### CATTLE

- Class 597. Beef cattle.
- Class 598. Dairy cattle.
- Class 599. Cattle for general purposes; range cattle.
- Class 600. Oxen.
- Class 601. Crosses of cattle with the buffalo, etc.
- Class 602. Collection of brands and registers of brands and marks, with implements of herding, tying, etc.

### GROUP 99

#### SHEEP

- Class 603. Fine woolled sheep.
- Class 604. Combing woolled sheep.
- Class 605. Middle woolled sheep.
- Class 606. Mutton sheep; sheep of breeds not otherwise provided for.

### GROUP 100

#### GOATS, ETC.

- Class 607. Goats. Other unclassified domesticated animals.

## GROUP 101

### SWINE.

- Class 608. Swine of all breeds.
- Class 609. Methods of raising, feeding, fattening, breeding, killing and packing; statistics; literature and history of the industry.

## GROUP 102

### DOGS

- Class 610. Dogs of all breeds; hunting, coursing, coach, watch, pet, etc.
- Class 611. Breeding kennels; bench shows; registers, standards and literature.

## GROUP 103

### CATS, FERRETS, ETC.

- Class 612. All breeds of the domestic cat.
- Class 613. Ferrets and their uses.
- Class 614. Rabbits and methods of raising and of their destruction as pests.

## GROUP 104

### POULTRY AND BIRDS

- Class 615. Chickens and turkeys.
  - Class 616. Ducks, geese and swans.
  - Class 617. Pigeons; homing pigeons.
  - Class 618. Guinea fowl, pea fowl, ostriches.
  - Class 619. Pheasants; fancy birds.
  - Class 620. All breeds of poultry and all domesticated birds not otherwise provided for. Poultry shows. Standards of perfection; literature.
  - Class 621. Poultry and bird houses and their fittings; pigeon lofts. Incubators and brooders. Methods of and appliances for packing and transportation. Statistics, etc.
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# HORTICULTURE.

## DEPARTMENT J

### GROUP 105

#### APPLIANCES AND METHODS OF POMOLOGY, VITICULTURE, FLORICULTURE AND ARBORCULTURE.

- Class 622. Tools for gardeners and nurserymen; spades, picks, hoes, lawn mowers, garden rollers. Tools for pruning, grafting, gathering, packing and transporting produce; pruning and grafting knives, ladders. Watering apparatus.
- Class 623. Apparatus and objects for ornamenting gardens: vases, pots, chairs, seats, fountains, labels, etc. (See Department D, Group 41.)
- Class 624. Glass houses and their accessories; heating apparatus, matings, etc.
- Class 625. Aquariums, ferneries, etc., for use in dwellings.
- Class 626. Landscape architecture, plans, drawings, models, books, pictures, etc.

### GROUP 106

#### APPLIANCES AND METHODS OF VITICULTURE.

- Class 627. Types of buildings used in connection with viticulture.
- Class 628. Implements used in the culture of the vine; implements for deep plowing; vineplows, hoes, tools for grafting, pruning, gathering, etc.
- Class 629. Collections of vines.
- Class 630. Appliances for vineyards, wine sheds and cellars. Vehicles; grape pickers; wine presses, etc.
- Class 631. Methods of wine-making. Appliances and materials for preserving wines. Ferments.
- Class 632. Diseases of vines and methods of checking them.

### GROUP 107

#### POMOLOGY

- Class 633. Pomaceous and stone fruits: apples, pears, quinces; cherries, plums, peaches, apricots, nectarines, etc.
- Class 634. Citrus fruits; oranges, lemons, limes, shaddocks, pomelos, etc.
- Class 635. Tropical and sub-tropical fruits: pineapples, bananas, guavas, mangos, tamarinds, figs, olives, sapodillas, etc.
- Class 636. Small fruits: strawberries, raspberries, blackberries; dewberries, gooseberries, currants, etc.

Class 637. Nuts: almonds, chestnuts, filberts, pecans, hickorynuts, walnuts, etc.

Class 638. Casts and models of fruits in wax, plaster, etc.

#### GROUP 108

##### TREES, SHRUBS, ORNAMENTAL PLANTS AND FLOWERS

Class 639. Ornamental standard trees, seedlings or grafted.

Class 640. Ornamental shrubs, deciduous or evergreen.

Class 641. Plants for the park or for the garden.

Class 642. Herbaceous plants grown in open ground; dahlias, crysanthemums, etc.

Class 643. Masses and baskets of flowers. Bouquets of natural flowers.

#### GROUP 109

##### PLANTS OF THE CONSERVATORY

Class 644. Specimens of culture used in different countries for use or for ornament.

Class 645. Forced culture of vegetables and fruits; specimens of products.

Class 646. Specimens and varieties cultivated for ornament; plants from houses of moderate temperature; plants from hot-houses.

#### GROUP 110

##### SEEDS AND PLANTS FOR GARDENS AND NURSERIES

Class 647. Collections of seeds of vegetables, plants and trees.

Class 648. Young trees, seedlings or grafted. Plants and flowers grown for perfumes or extracts.

#### GROUP 111

##### ARBORCULTURE AND FRUIT CULTURE

Class 649. Ornamental trees and shrubs. Methods of propagating, growing, training, pruning, etc.

Class 650. Fruit trees. Methods of propagating, planting, growing, training, pruning, etc.

Class 651. The vine. Methods of propagating, planting, training, pruning, etc.

Class 652. Small fruits: strawberries, blackberries, raspberries, etc. Methods of propagating, growing, transplanting, training, etc.

# FORESTRY.

## DEPARTMENT K

### GROUP 112

#### APPLIANCES AND PROCESSES USED IN FORESTRY

- Class 653. Collections of seeds. Specimens of indigenous or exotic forest products. Collections of plants.
- Class 654. Special implements for gathering, preparing, testing and preserving seeds; drying houses. Implements for nurseries. Equipment for tree culture and forest industries.
- Class 655. Processes of culture in nurseries. Processes of culture and of the management of forests.
- Class 656. Forest topography. Forest botany. Geographical distribution. Maps, statistics, general literature.
- Class 657. Forest works; manipulation of lumber; keepers' houses, saw-mills, tracks for hauling timber, sanitation.
- Class 658. Terracing, re-planting, turfing, etc. Planting to hold the surface of dunes.

### GROUP 113

#### PRODUCTS OF THE CULTIVATION OF FORESTS AND OF FOREST INDUSTRIES

- Class 659. Specimens of forest products; logs, cross and transverse sections, etc.
- Class 660. Wood for cabinet work; wood for building; wood for fuel; wood that has been worked; construction timber; lumber; staves. Dye woods, barks, etc.
- Class 661. Cork; textile barks. Tanning, fragrant, and resinous substances, etc.
- Class 662. Products of forest industries; coopers' stock, basket work, grass work, wooden ware, wood wool, corks, kiln-dried wood, wood alcohol, charcoal, raw potash, etc.

### GROUP 114.

#### APPLIANCES FOR GATHERING WILD CROPS AND PRODUCTS OBTAINED

- Class 663. Appliances and implements for gathering the products of the soil obtained without culture.
- Class 664. Mushrooms. Truffles. Edible wild fruits.
- Class 665. Plants, roots, barks, leaves, fruits obtained without cultivation, and used by herbalists, in pharmacy, dyeing, manufacture of paper, oils, or for other purposes.
- Class 666. India rubber; gutta percha. Gums and resins.

# MINES AND METALLURGY.

## DEPARTMENT L

### GROUP 115

#### WORKING OF MINES, ORE BEDS AND STONE QUARRIES

(Equipment and processes.)

- Class 667. Equipment and methods of geological surveys, and other institutions for the promotion of mining. Instruments and equipment for underground surveying.
- Class 668. Equipment and methods for prospecting for mineral veins and deposits; building stones, coal, petroleum, natural gas, artesian waters, etc.
- Class 669. Equipment and methods for assaying, analyzing or testing ores, rocks and other mineral substances.
- Class 670. Equipment and methods for drilling, cutting, or otherwise breaking down rock, ore, or other mineral in quarries, open cuts or mines; sinking shafts, opening galleries, drifts or tunnels.
- Class 671. Equipment for, and methods of timbering or otherwise securing mine shafts, drifts, or tunnels.
- Class 672. Electric, compressed air, or other motors, for use in opening and operating mines and quarries, and for operating equipment for handling ores and other minerals.
- Class 673. Explosives and methods for placing and firing the same, in mines, quarries and deep wells.
- Class 674. Equipment and methods for the underground handling and transportation of ore, coal, etc.
- Class 675. Machinery and appliances for draining mines and quarries.
- Class 676. Equipment for and methods of ventilating mines.
- Class 677. Equipment for and methods of lighting mines; oils, acetylene, electricity; safety lamps, testing for gases, etc.
- Class 678. Safety appliances and methods; safety catches, signals, etc. Equipment for treatment of injuries. Mine sanitation.
- Class 679. Equipment and methods for handling mining products, and for their above-surface transportation; railways, inclined planes loose cables, aerial cables, trolleys, etc.; appliances for loading and unloading wagons, boats, cars, etc.
- Class 680. Machinery, appliances and methods for working salt mines, petroleum wells, metaliferous sands and gravels.
- Class 681. Equipment and methods used in quarrying stone.



## GROUP 116

### MINERALS AND STONES, AND THEIR UTILIZATION

- Class 682. Systematic collections in geology, general mineralogy, crystallography and palaeontology. Collections illustrating the structure, modes of occurrence, and origin of ore deposits, and other mineral deposits.
- Class 683. Ornamental and building stones, rough hewn, sawed or polished; stones for highway construction and other purposes.
- Class 684. Mechanical appliances and processes used in cutting, sawing, shaping and polishing marble, granite, slate and other building stones.
- Class 685. Equipment and processes for crushing, separating, washing or drying rocks, clays and other minerals, and mineral fuels.
- Class 686. Rocks which produce lime or cement. Processes of utilization with their products.
- Class 687. Grindstones, whetstones, pumice stone; other mineral abrasives. Processes of their manufacture.
- Class 688. Slate; equipment for preparing slate; processes and products.
- Class 689. Refractory rocks, fire clays and sands. Moulding sands.
- Class 690. Clays, kaolin, flint, feldspar and other substances used in the manufacture of earthenware, brick, terra-cotta, glass, etc. Processes of utilization, with specimens of their products.
- Class 691. Mica, asbestos, meerschaum, fluorspar, graphite (plumbago), gypsum, and other non-metallic minerals, not elsewhere provided for. Processes of utilization with their products.
- Class 692. Gems and precious stones; lapidary work.
- Class 693. Common salt; nitrates, sulphates, borates, and other natural salts. Methods of purification with their products.
- Class 694. Mineral waters. Artesian water conditions. Utilization of water.
- Class 695. Sulphur and pyrite. Processes of utilization with their products.
- Class 696. Natural mineral paints. Processes of preparation, with their products.
- Class 697. Natural mineral fertilizers. Processes of preparation, with their products.
- Class 698. Asphalt and asphaltic rocks; mineral bitumen and wax; amber, jet, etc. Processes of utilization and their products.
- Class 699. Mineral fuels and luminants; peat, lignite, bituminous coal, anthracite; coal dust and compressed coal; petroleum and its products, mineral gases. Equipment and processes for compressing fuels; for preparing coke and by-products; for storing, refining and handling petroleum and its products.
- Class 700. Metallic ores of every kind and products. Native metals.

## GROUP 117

### MINE MODELS, MAPS, PHOTOGRAPHS.

- Class 701. Maps, charts, photographs and models illustrating geologic or topographic features, and their relation to mineral deposits, or the structure or mode of occurrence of mineral deposits. Mine models, working plans of mines; maps, photographs, etc., of mining operations, plants, camps, etc.

## GROUP 118

### METALLURGY

- Class 702. Equipment and processes for the handling and preparation of ores; hand sorting, storing, sampling, crushing and pulverizing, screens and screening, concentrating, elevating, conveying, drying, etc.
- Class 703. Equipment in amalgamation, and in the use of cyanide, chlorine and other chemical solvents in the treatment of ores.
- Class 704. Equipment, methods and products of the manufacture and use of refractory materials for metallurgical purposes (bricks, blocks, crucibles, retorts, etc.)
- Class 705. Equipment and processes in smelting ores; furnaces, furnace construction; appliances used in operating furnaces and handling furnace products. Equipment and methods in the generation and use of gases, the preparation and use of liquid and solid fuels, and the use of electricity in metallurgical furnaces; handling and use of slags; recovery and use of dust, fumes, etc.
- Class 706. Equipment, materials, processes and products used in the treatment of the ores of iron, manganese, chromium, nickel and other metals used in the manufactures of iron alloys and special steels. Equipment for smelting, blast furnaces and accessories; iron foundries, cupolas, blowers, etc. Production and varieties of pig iron and iron castings, malleable cast iron, ferromanganese and manganese castings, and castings of other iron alloys, and the metals used in these alloys.
- Class 707. Equipment, methods and products of the manufacture of iron and steel in ingots, billets, bars, sheets or plates, etc., and of the production of steel castings, etc. Puddling, reverberatory and smelting furnaces; hammers, presses, rolls. General arrangements and equipments for producing Bessemer metal, open hearth steel or crucible steel. Various processes of manufacturing iron or steel directly from the ores.
- Class 708. Equipment, methods and processes in the manufacture of iron and steel in commercial forms; hoop iron, band iron, rods for wire drawing, iron and steel wire; iron of special sections, armor plates, sheet iron and sheet steel for commercial, building, metallurgical, and other purposes; rails, axles, tires, wheels, large forgings, gun barrels, projectiles, tubes (welded or seamless), etc. Ordnance equipment other than naval and its production.
- Class 709. Equipment, materials and processes used in the metallurgy of copper, and products obtained. Treatment of ores, production of copper and copper alloys, bronze, brass, etc., in ingots, bars, sheets, wire and other forms. Electrolytic and other processes used in refining copper, and in separating the accompanying gold, silver, etc.

- Class 710. Equipment, materials and processes used in the metallurgy of gold and silver, and products obtained. Treatment of the ores: retorting, refining, stamping, and shipping bullion. Gold and silver in bars and other forms. Equipment, materials and processes used in the metallurgy of lead, and products obtained; treatment of the ores; refining of lead bullion and the separation of the associated gold and silver. Production of lead in commercial forms. pig, bars, sheets, pipes, shot, test lead; lead alloys; white lead.
- Class 711. Equipment, materials and processes used in the metallurgy of zinc, tin, nickel and cobalt. Zinc spelter, metallic zinc in bars and sheets, and zinc white. Tin in ingots and other forms. Alloys of tin. Nickel in ingots, bars, rods, etc.; alloys of nickel, German silver, nickel-steel, etc.
- Class 712. Equipment, materials and processes used in the metallurgy of aluminum, antimony, mercury, arsenic, platinum, and other metals, and their alloys.
- Class 713. Metal plates and screens, flanged, stamped, cut, decorated, perforated, etc., and their production. Production and use in metallurgical operations of wire cloth and screens. Drawn tubes and piping in iron, steel, copper, tin, lead, etc., and their production.
- Class 714. General foundry equipment, processes and products. The production of miscellaneous alloys.
- Class 715. Equipment for, and processes of washing goldsmith's dust, and dust from refiners of precious metals. Appliances, processes and products for exact rolling and beating of gold, silver, tin, and other metals. Apparatus and processes for working platinum and other rare metals.
- Class 716. Equipment, processes and product of electro-metallurgy; in electric smelting, the refining and extraction of metals and in metal deposition (electroplating, etc.)
- Class 717. Apparatus and processes (other than electro-metallurgical) for coating metals with more precious, more malleable, or more durable metals; metal galvanized, leaded or nickel plated; tin plates (bright, dull, mottled, ornamented, printed), etc.
- Class 718. Appliances and processes for enameling metallic objects, and products.

#### GROUP 119

#### LITERATURE OF MINING, METALLURGY, ETC.

- Class 719. Statistics and publications relative to geology, mineralogy, palaeontology, topography, quarrying, mining, metallurgy, and the manipulation of mineral products, the development of water resources, etc.

# **FISH AND GAME**

## **DEPARTMENT M**

### **GROUP 120**

#### **HUNTING EQUIPMENT**

- Class 720. Arms for trophies; copies of ancient weapons. Missile weapons; bows, cross bows, etc.
- Class 721. Sportsmen's arms and accessories; sportsmen's ammunition.
- Class 722. Hunting equipment; appliances for training dogs.

### **GROUP 121**

#### **PRODUCTS OF HUNTING**

- Class 723. Collections of wild animals; menageries.
- Class 724. Original drawings of land and amphibious animals and birds. Literature. Collections of birds and eggs.
- Class 725. Skins and furs in the rough. Skins prepared for the furrier. Taxidermist's work. Undressed feathers and bird skins.
- Class 726. Horn, ivory, bone and tortoise shell.
- Class 727. Musk, castoreum, civet, etc.

### **GROUP 122**

#### **FISHING EQUIPMENT AND PRODUCTS**

- Class 728. Aquatic life. Scientific collections and literature. Specimens (marine and fresh water) fresh, stuffed or preserved, in alcohol or otherwise. Casts, drawings and representations. Aquatic birds and mammals. Aquatic plant life. Fishing grounds.
- Class 729. Floating appliances used in fishing. Nets, tackle, boats, devices and implements for sea fishing. Nets, traps and appliances for fresh water fishing. Gear of every description. Fishery literature.
- Class 730. Angler's apparel of every description: rods, reels, lines, etc. History and literature of angling.

### **GROUP 123**

#### **PRODUCTS OF FISHERIES**

- Class 731. Fish curing and canning establishments. Products from fish; oils, roes, isinglass, whalebone, spermaceti, etc.

- Class 732. Sea and fresh water pearls, pearl shells and mother of pearl; sponges, corals, tortoise shell, etc.
- Class 733. Appliances for preserving and transporting fish. Antiseptics for preserving fish.

#### GROUP 124

##### FISH CULTURE

- Class 734. Marine fish culture; fish, crustacea, mollusks, radiates, etc.
- Class 735. Fresh water fish culture; installation, equipment and processes used in pisciculture; fish ways; culture of leeches. Marking of introduced fish for identification.
- Class 736. Aquariums. Culture and breeding grounds. Food for fish.
- Class 737. Acclimatization of fish; diseases of fish; chemical investigation of waters in their relation to aquatic life. Process of rendering polluted streams innocuous to fish life.
- Class 738. History of fish culture; statistics of the result of fish culture; literature.
-

# **ANTHROPOLOGY**

## **DEPARTMENT N**

### **GROUP 125**

#### **LITERATURE**

- Class 739. Books, pamphlets, manuscripts, albums, and photographs treating of man from the earliest time to the present.

### **GROUP 126**

#### **SOMATOLOGY**

- Class 740. Physical characteristics of man; the comparative and special anatomy of races and peoples; specimens, casts, measurements, charts and photographs representing typical and comparative characteristics.
- Class 741. Anthropometry; measurements, charts, diagrams, etc., showing the methods and results of comparative studies on the physical structure of living races; instruments and appliances used in anthropometric investigations.

### **GROUP 127**

#### **ETHNOLOGY**

- Class 742. Illustration of the growth of culture; the origin and development of arts and industries; ceremonies, religious, rites and games; social and domestic manners and customs; language and origin of writing.

### **GROUP 128**

#### **ETHNOGRAPHY**

- Class 743. Races and peoples, from earliest man to the present time; tribal and racial exhibits, showing by means of specimens, groups and photographs, the stages of culture reached by different peoples of various times and under special conditions of environment. Families, groups and tribes of living peoples.

# **SOCIAL ECONOMY**

## **DEPARTMENT O**

### **GROUP 129**

#### **STUDY AND INVESTIGATION OF SOCIAL AND ECONOMIC CONDITIONS**

- Class 744. Official bureaus and offices.
- Class 745. Private bureaus, museums, boards of trade, etc.
- Class 746. Economic and social reform associations, congresses.
- Class 747. Economic serials, reviews and other publications.
- Class 748. Scholastic instruction in economics and social economy.

### **GROUP 130**

#### **ECONOMIC RESOURCES AND ORGANIZATION**

- Class 749. Physical resources and characteristics.
- Class 750. Development of means of transportation.
- Class 751. Location and organization of industrial enterprises.

### **GROUP 131**

#### **STATE REGULATION OF INDUSTRY AND LABOR**

- Class 752. Regulation of industrial work.
- Class 753. Regulation and inspection of factories.
- Class 754. Regulation and inspection of mines.
- Class 755. Regulation and inspection of other work.

### **GROUP 132**

#### **ORGANIZATION OF INDUSTRIAL WORKERS.**

- Class 756. Organization of employers.
- Class 757. Organization of employes.
- Class 758. Industrial disputes and their settlement.
- Class 759. Treatment of the unemployed.

### **GROUP 133**

#### **METHODS OF INDUSTRIAL REMUNERATION**

- Class 760. Wage systems, piece wages, premiums, bonuses, etc.
- Class 761. Profit sharing.
- Class 762. Co-operation or industrial co-partnership.

**GROUP 134**

**CO-OPERATIVE INSTITUTIONS**

(Other than of producers.)

- Class 763. Co-operative distributive societies.
- Class 764. Co-operative credit and banking institutions.
- Class 765. Co-operative building societies.
- Class 766. Co-operative agricultural societies.

**GROUP 135**

**PROVIDENT INSTITUTIONS**

- Class 767. Savings banks.
- Class 768. Life insurance.
- Class 769. Accident insurance.
- Class 770. Sickness insurance.
- Class 771. Old age and invalidity insurance.
- Class 772. Fire, marine and other insurance of property.

**GROUP 136**

**HOUSING OF THE WORKING CLASSES**

- Class 773. Building and sanitary regulations.
- Class 774. Erection of improved dwellings by employers.
- Class 775. Erection of improved dwellings by private efforts.
- Class 776. Erection of improved dwellings by public authorities.
- Class 777. General efforts for betterment of housing conditions.

**GROUP 137**

**THE LIQUOR QUESTION**

- Class 778. Legal regulation of the liquor trade.
- Class 779. Public management of liquor trade.
- Class 780. Efforts for lessening intemperance.

**GROUP 138**

**GENERAL BETTERMENT MOVEMENTS**

- Class 781. Employers' institutions for benefit of employes.
- Class 782. Social settlements.
- Class 783. Humane societies, institutional, church and other.

**GROUP 139**

**CHARITIES AND CORRECTION**

- Class 784. Destitute, neglected and delinquent children.
- Class 785. Institutional care of destitute adults.



- Class 786. Care and relief of needy families in their homes.
- Class 787. Hospitals, dispensaries and nursing.
- Class 788. The insane, feeble-minded and epileptic.
- Class 789. Treatment of criminals. Identification of criminals.
- Class 790. Supervisory and educational movements.

#### GROUP 140

##### PUBLIC HEALTH

- Class 791. Sanitary legislation. Investigation.
- Class 792. Prevention of infectious diseases.
- Class 793. Industrial sanitation.
- Class 794. Food and drug inspection.
- Class 795. Vital statistics.
- Class 796. Burial of dead.

#### GROUP 141

##### MUNICIPAL IMPROVEMENT

- Class 797. City organization.
  - Class 798. Protection of life and property.
  - Class 799. Public service industries.
  - Class 800. Streets and sewers.
  - Class 801. Parks, baths, recreation, city beautification, etc.
-

# **PHYSICAL CULTURE**

## **DEPARTMENT P**

### **GROUP 142**

#### **TRAINING OF THE CHILD AND ADULT-THEORY AND PRACTICE**

- Class 802. Simple calisthenic exercises; setting up drills; school exercises; special apparatus for school gymnasiums; outdoor training systems.
- Class 803. Gymnasiums. Apparatus for special forms of physical development; athletic training, various forms of exercise; walking, running, rowing, swimming, vaulting, fencing, etc.
- Class 804. Anthropometry; various methods; its relation to physical culture; data, statistics, charts, appliances and instruments.

### **GROUP 143**

#### **GAMES AND SPORTS FOR CHILDREN AND ADULTS**

- Class 805. Bowls, lawn tennis, skittles, croquet, grace hoops, quoits, golf, basket ball, curling.
- Class 806. Baseball, football, rowing, cricket, la crosse, polo, track athletics.

### **GROUP 144**

#### **EQUIPMENT FOR GAMES AND SPORTS**

- Class 807. Material, dress and equipment for games and sports. Sporting goods and supplies; track paraphernalia.

# HISTORY

## DEPARTMENT Q

### GROUP 145

#### SOURCES FOR MUSEUM

- Class 808. Archeological relics of distinct races, peoples and tribes.
- Class 809. Historical relics: implements of exploration, navigation, war, hunting, trading, agriculture, domestic life, commerce, industry, communication, education, printing, customs, dress and religion.
- Class 810. Portraits, statuary, medals, photographs of historic personages, monuments, buildings and sites, and autographs.

### GROUP 146

#### SOURCES FOR LIBRARY

- Class 811. Manuscripts: correspondence, journals, account books, legal papers, maps, charts, sketches, codices and genealogies.
  - Class 812. Printed materials; archives, almanacs, newspapers, periodicals, reports, programs, notices, genealogies, directories, catalogues, maps and charts and school books.
  - Class 813. Secondary sources covering any period or phase of history from the earliest times down to the present.
  - Class 814. Bibliographies, indexes, catalogues covering any phase or scope of history or the material issuing from any particular source.
  - Class 815. Collections of literature produced by any particular community.
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NOTES

CHAPTER I

THEORY

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# REGULATIONS



# REGULATIONS GOVERNING THE OCCUPATION OF SPACE BY EXHIBITORS, AND THE IN- STALLATION AND CONDUCT OF EXHIBITS.

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## 1. APPLICATIONS.

Applications for space must be made in writing upon forms furnished by the Exposition.

Each application should be accompanied by sketches, drawn upon the uniform scale of one-quarter inch to the foot, showing:

(a) A ground plan of the use to be made of the space desired.

(b) A front elevation and such perspective views as may be necessary to give a clear idea of the platforms, cases, signs and schemes of color and decoration proposed, to the end that the ensemble of exhibits, when the installation is complete, may present a generally harmonious and impressive effect.

## 2. PERMITS.

When the plans of exhibitors for booths or other exhibit structures have been approved by the Director of Exhibits, a permit will be issued specifying exactly the space to be occupied by the exhibitor, and authorizing the exhibitor or his agent to proceed with the construction necessary for the installation of his exhibit, and no construction may be undertaken upon any exhibit space except under authority of such a permit.

## 3. OPENINGS IN FLOOR.

The installation of heavy articles requiring special foundations may begin, with the permission of the Director of Exhibits, and the Director of Works, as soon as the construction of the buildings will permit, but no openings may be cut in the floor of the buildings without a permit given by the Director of Exhibits. The permit will indicate what special foundations, if any, will be required.

#### **4. CONSTRUCTION LEVELS.**

All prominent lines of construction must be placed at the construction levels adopted, measured from the basic floor, as follows:

4-6 inches—For platforms when used.

10 inches—Base line of show cases.

30 inches—Table tops.

36 inches—Tops of railings.

42 inches—Tops of table show cases.

8 feet 3 inches—Top of glass of standing cases.

9 feet—Top of standing cases.

12 feet 8 inches—Lower member of cornice of high standing cases, booths, large signs, etc.

15 feet—Cornice line of high standing cases, booths and top of large signs.

28 feet—Cornice line of second story of booths and other structures showing two stories.

#### **5. PLATFORMS.**

In the same group of exhibits in any department, platforms should be of the same height, not less than four inches nor more than six inches above the surface of the floor. The Director of Exhibits may authorize the entire omission of platforms in groups which, in his opinion, would be more appropriately installed without them. The floor space of an exhibit should be laid level, and may be covered with carpets, linoleum, parquetry flooring, etc., as may be approved by the Director of Exhibits.

#### **6. BOOTHS.**

Exhibitors will be permitted to construct booths and facades, provided they do not interfere with the light of adjacent exhibits. The cornice line of booths, trophies, partitions, etc., is fixed at the uniform height of fifteen feet; but ornaments, finials, trophies and other decorative features may be raised to a greater height, with the approval of the Director of Exhibits.

Should a second story be added, its cornice line should be thirteen feet above the first line, or twenty-eight feet above the floor line of the building.

#### **7. POSTS.**

All posts or other portions of the structure of the buildings, falling within the space of an exhibitor or marking its outline, or standing in the adjacent aisle, must be decorated or treated in harmony with the exhibit, in accordance with the instructions of the Director of Exhibits, or in a way satisfactory to him.

#### **8. PARTITIONS.**

Partitions between exhibits should not be less than twelve feet, nor more than fifteen feet high, as may be provided for in the design of the exhibit structure, approved by the Director of Exhibits. In some cases it may be advisable that a partition abutting against an aisle be not more than



three feet high for a distance of six feet from the aisle. Partitions between exhibits should be built at the instance of adjacent exhibitors, who should share the cost of the same.

#### **9. MACHINERY IN MOTION.**

Wherever it is possible, exhibitors of machinery should arrange that it be shown not only in motion, but actually performing the function for which it was designed. Ample power will be furnished at reasonable rates, and special consideration will be given to exhibits of this character.

Exhibitors of machinery will be permitted, under special authority obtained from or through the Director of Exhibits, to remove from the exhibit and from the Exposition such portion of the manufactured product as may be found necessary.

Machines in motion should not be located within three feet of any aisle or passage accessible to the public.

The floors are prepared to bear a load varying in different buildings from 125 to 250 pounds per square foot; for greater loads special foundations should be prepared after conference with the Director of Exhibits.

For exhibits of stone, ore, coal, etc., weighing one ton or more, in the Department of Mines, written permit should be obtained from the Director of Exhibits.

#### **10. RAILING.**

All machinery in motion must be surrounded by substantial railings.

Railings about machinery in motion must be constructed of flat finished black iron, of substantial character, supported by substantial posts of like material.

All railings should be at the uniform height of thirty-six inches, measured from floor surface. Along aisle, railing should be placed within the floor space of the exhibit. Between exhibits, the railings built jointly by the adjacent exhibitors, may be placed on the line separating exhibit spaces.

The design of all railings must be approved by the Director of Exhibits.

#### **11. COUNTERS AND TABLE CASES.**

In some cases it may be advisable that counters and other structures, within six feet of aisles, should not exceed three feet in height.

Special directions for the construction of cabinets, for exhibition of geological specimens and minerals, will be issued later.

Tables in the Department of Horticulture for the display of fruit must be flat-topped, and may not be more than three feet in height.

#### **12. SHOW CASES.**

The height of show cases, irrespective of finials, trophies and decorative features, shall be forty-two inches. Nine feet or fifteen feet show case should be of modern type, and the glass should extend to ten inches from the floor.

### 13. COVERING FABRICS.

Burlaps, denims, bunting and similar fabrics may be used with approval of the Director of Exhibits for covering surfaces or for decoration, but the material must be fireproofed in accordance with Exposition requirements. Silk signs and flags of silk may be used.

### 14. SIGNS.

Signs which may be of wood, metal, mineral or glass, should be moderate in size, neat in design, approved by the Director of Exhibits, who may prescribe a style or a design to which all the signs in a group or department must conform. They may not project into or over aisle spaces. Large signs should be hung up to the level of fifteen feet; small signs up to the level of nine feet. Signs must not be so placed as to conceal neighboring exhibits or injure the general effect. The sign should be restricted to the person or firm making the exhibit. If the exhibitor desires, the name of the agent may be incorporated appropriately on the sign or a small announcement made on a neat sign within the exhibit. After the jury has conferred an award, the fact may be indicated in a suitable way by a sign placed in the exhibit space.

### 15. LABELS.

All grains, grasses, vegetables and other natural products of every sort, and all mineral specimens must be accompanied by labels, hand-printed, typewritten or printed, showing the correct name of the product or specimen, the name of the producer or exhibitor, and the exact locality where the article was produced or found. Mineral specimens should be accompanied by labels showing the name and location, geological and topographical of the deposit which the specimen represents, and where such information is available through geological surveys and other reliable agencies, the specimens should be accompanied by charts showing the nature and extent of the ore deposit represented, reference being made to published reports and maps where information regarding such deposits may be found. Any other data of interest to the public may be added, at the discretion of the exhibitor. Specimens of coal or other non-metallic minerals must be accompanied with a statement of the name and variety of the material, the name and locality of the mine from which it came, and the annual output.

Building stones should be shown in cubes not more than twelve inches square, eight-inch cube being preferable; one face of the stone to be polished, the other faces to be finished differently, as the Director of Exhibits may direct. Marble, onyx and other ornamental stones should be shown in slabs not less than 12x24 inches in size. Labels for stone should give, in addition to the kind of stone and location of the quarry, the composition and name of analyst, specific gravity, power of absorption, strength per inch against crushing force, extent of quarry, with name and address of owner.

#### **16. PRICE LABELS.**

As a matter of interest to the public, and of information to the juries, the retail price at which any article is offered for sale may be plainly marked thereon.

#### **17. EXHIBITOR'S AGENT.**

It will be considered that individuals found in charge of exhibits are agents of the exhibitor, and must immediately carry out any rules or orders promulgated by the department.

#### **18. ARRIVAL OF EXHIBITS.**

The arrival of exhibits should be reported without delay at the office of the Director of Exhibits. If properly labeled, the cases will be deposited upon the exhibition space.

#### **19. INSTALLATION OF EXHIBITS.**

The exhibitor should obtain a permit for unpacking his exhibit, and should proceed at once to his installation.

During the time the buildings are open to the public between the dates of June 1, 1905, to October 15, 1905, the opening of cases, changing, moving or installation of exhibits will not be permitted. All such work must be done between the hours of 11 o'clock p. m. and 7 o'clock a. m., and all debris removed before the buildings are opened.

Exhibitors will appreciate the motive that prompted this rule, as it is done in the interest of those exhibitors whose exhibits are installed, and to visitors as well.

Packages containing exhibits should be plainly marked, "Director-General, Lewis and Clark Exposition, Portland, Oregon." Direction labels will be furnished by the Exposition Company.

#### **20. PACKING CASES.**

Empty cases must be promptly removed and conveyed to a place of storage. For economy of space, small cases may be enclosed in larger cases. Cases may not be covered and used for installation purposes. For economy and convenience in opening and in storing cases, it is advised that screws be used instead of nails.

#### **21. POWER.**

Exhibitors requiring power must furnish the fittings, shafting, belting, etc., needed to connect with the power of the department.

They must arrange in such a manner as to use the minimum amount of shafting by using motors connected with or belted directly to the machinery.

#### **22. MATERIAL FOR ACTIVE EXHIBITS.**

For bringing in raw material required for use in the illustration of a special mechanical process or manufacture and for removal of the debris or product, special permits must be obtained through the Director of Exhibits.

### **23. PHOTOGRAPHS.**

Photographs may be shown in portfolios or in cabinets, or upon walls or screens suitable for display of such matter. They should be mounted upon cards twenty-two inches wide by twenty-eight inches high. Photographs may also be shown on swinging screens.

### **24. ADVERTISING MATTER.**

No advertising matter may be given away, save such as has been sanctioned by the Director of Exhibits, and then only at the exhibition space; but this must be done without annoyance to visitors.

### **25. OPENING AND CLOSING OF EXHIBIT PALACES AND EXPOSITION GROUNDS.**

The main exhibition palaces will be opened to visitors at 8 o'clock a. m., each day, and will close at 7 o'clock p. m. during the months of June, July and August, and at 6 o'clock during the months of September and October.

The Exposition will open to exhibitors and their employes, who will have special tickets for their use, at 7 o'clock in the morning, and they will be permitted to remain until 11 o'clock in the evening, at which hour all persons, except guards and special watchmen will be required to leave the buildings.

At 11 o'clock at night the grounds will be cleared of visitors, including all persons who are not provided with special tickets allowing them to remain all night.

### **26. WATCHMEN.**

Exhibitors may employ watchmen to protect their exhibits, but the watchmen must be approved by the Director of Exhibits and regularly appointed by the officer having charge of the watchman force.

### **27. FIRES AND LIGHT.**

No fires may be permitted in exhibit places, nor any light, other than electric or gas lights furnished by the Exposition Company, can be used.

### **28. CLEANING SPACES.**

Exhibitors must have the spaces cleaned within one hour after the close of the Exposition at night. Rubbish must be swept into the aisles, whence it will be removed by the Exposition janitor force. If a space is swept at other time than that indicated, the rubbish must not be put into the aisles until the next period of general cleaning. If exhibitors neglect to care for their exhibit spaces properly, they will be cared for by the public janitor force, and the cost will be charged to the exhibitor. It is deemed especially important that exhibit spaces be properly cleaned and at the hours specified by regulations.

### **29. EMPLOYEES OF EXHIBITORS.**

Exhibitors and their employees must not obstruct aisles or passages in any way. Meals or lunches may not be eaten in the exhibit spaces, nor in any part of the building not designated for that purpose.

### 30. SALE OF EXHIBITS.

Exhibits may be sold to be delivered at the close of the Exposition. Orders may be taken to be filled from a stock of similar articles outside the Exposition grounds. If exhibitors wish to sell from their spaces during the Exposition period, arrangements to that effect must first be made, approved by the Director of Exhibits and the Director of Concessions.

### 31. AWARDS.

The system of awards will be competitive. The merit of exhibits as determined by the Jury of Awards will be manifested by the issuance of medals and diplomas divided into four classes:—

A Gold Medal.

A Silver Medal.

A Bronze Medal.

Diploma of Honorable Mention.

Special rules and regulations governing the system of appointing a Jury of Awards and making of awards will be hereafter promulgated.

HENRY E. DOSCH,

Director of Exhibits.

Approved:

H. W. GOODE,

Director General.



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